

BROADCAST



PRODUCTS CATALOGUE

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BATTERIE AND CARICABATTERIE

Chargers



BC-C2SD/AD is specially designed for SONY V Mount/ Anton Bauer Gold Mount camera digital battery and traditional SONY V Mount/Anton Bauer Gold Mount Li-ion camera battery pack

- LCD display function: LCD displays parameters of battery pack, such as voltage, charging current, battery capacity, cycle times, model, manufacture date, temperature, and etc.
- Optimized charging process: The charger communicates with battery through interact port. According to the battery characters. The intelligence charging system provides suitable charging process for the battery.
- Safe and reliable Gold Mount
- Capable of charging two batteries simultaneously. 5.Can be directly used as camera adapter.

Parameters:

- Mount type: SONY V Mount/Anton Bauer Gold Mount
- Input: AC100-240V, 47~63Hz
- Output:DC16.8V Charging current: 1.5Ax2
- Adapting output: 12V, 50W
- Size: BC-C2SD 230 x206 x92(mm), BC-C2AD 226 x207 x84.3(mm)
- Weight: 1.5kg
- Colour: black
- Working temperature:5°C~35°C
- Store temperature:-30°C~ + 55°C

BC-C2 portable charger is specially designed for SONY V/Gold Mount Li-ion camera battery.

Parameters:

- Input : AC100-240V 47~63Hz
- Output: 16.8V 2A
- Size: 125x72x36(mm)
- Weight:0.3Kg
- Working Temperature: 0°C~40°C

The **SP-C1 adapter** supplies power to the professional video camera. It features a number of protective functions on short circuit, overload and over voltage.

Specifications:

- Input: AC100-240V 47~63Hz
- Output: DC12V 50W
- Size: 125x72x36(mm)
- Weight:0.54Kg

BC-C2N/4N charger is specially designed for NP-type Li-ion camera battery.

Characteristics:

- Charge two/four pieces of NP Li-ion or Ni-MH batteries simultaneously.
- It can be directly used as camera adapter.
- Compatible with SONY BC-1WDCE charger

Parameters:

- Input: AC100-240V47-63HZ
- Output: 16.8V 1.2A Adapter: 12V 50W
- Size: 249x 110x70(two mount)(mm), 220x320x60 (four mount) (mm)
- Weight:0.85kg (two mount) 1.8kg (four mount)
- Working temperature: 0°C ~ 40°C

PANASONIC cameras compatible batteries



- Rated capacity:
43Wh (BPD-540)
20Wh (BPD-320)
- Mount Type:7.2V
- Type: Li-ion
- Compatible With: Panasonic CGP-D54S (BPD-540), Panasonic CGP-D320 (BPD-320)
Compatible videocamera model: AG-DVC63, AG-DVC1 80A, AG-DVC33
Panasonic NV-DS99/55/35/25/15, NV-EX3N

SONY cameras compatible batteries



- Rated capacity:
32Wh (BPL-960)
26Wh (BPL-750)
 - Mount Type: 7.2V
 - Type: Li-ion
 - Compatible With: SONY NP-F960 (BPL-960), SONY NP-F750 (BPL-750)
- Compatible videocamera model: DSR-PD1 90P, SONYDSR-PD150P, CCD-TRV98E/49E, CCD-TR618E, CCD-TRV87E/67E, DCR-TRV130E, DCR-TRV820E/720E/520E/320E/120E

Lithium batteries



- Display surplus capacity and surplus running time exactly on the LCD
- Prevent false capacity from happening efficiently
- Record cycle times
- Display manufacture date, battery serial numbers, charging current, charging voltage, battery temperature on the LCD of Digital chargers.
- Five stages LED display the battery capacity exactly.
- Capable of being charged by portable charger.

Has all the advantages of traditional Li-ion Battery

No memory

Perfect protect circuit inside

Industry standard Power Tap Connector

Capacity: 190Wh 160Wh 130Wh 95Wh

Weight: 1.4Kg 1.15Kg 0.93Kg 0.71Kg

Voltage:14.8V

Color:grey

Operating temperature:-30°C~ + 55°C

Mount Type: SONY V Mount/Anton Bauer Gold Mount

Size: 190Wh/160Wh 148x98x75(mm)

130Wh/95Wh 148 x 98 x 52(mm)

65Wh 148x98x35(mm)

PROFESSIONAL VIDEO CONVERTERS

HDV --> HD/SD-SDI Workflow

The HD-Connect LE



Applications

- HDV→ HD-SDI Based Editing (frame accurate captures)
- HDV→ HD-CAM Tape transfer (with time code)
- HDV→ SD-SDI (Down-Convert), output to DigiBeta with deck control
- Native HDV NLE layout to HD/SD-SDI for dub or broadcast

Details:

- HDV (over 1394) → HD-SDI/SD-SDI (with embedded audio and time code)
- 720p and 1080i Input Support
- 50Hz and 59.94Hz compatible
- 1080i/50, 1080i/59.94, 720p/50, 720p/59.94, 625i/50, and 525i/59.94 Output Support
- HDV Deck Control via RS-422 → 1394 translation
- All outputs simultaneously active
- Component and Composite Output
- AES digital audio output
- LTC timecode output
- Monitor Audio Out
- Size= 5.0"(L) x 4.25" (W) x 1.5"(H)
- Power Supply Included

HDV --> HD/SD-SDI Workflow

The HD-Connect SI

- HDV (over 1394) → HD/SD-SDI (with embedded audio & time-code)
- Eliminates Long-GOP (HDV) editing (and associated render times) by enabling REAL-TIME conversion of HDV to DNxHD, DVCProHD and other I-Frame Codecs
- 50Hz and 59.94Hz compatible



- Excellent video and audio quality and remains fully synchronised
- 1080i and 720p HDV Support (tested with Sony, JVC, and Canon camcorders and decks)
- Supports 720/24p, 720/25p, 720/30p, 720/50p and 720/60p HDV
- Supports 1080i/24, 1080i/50 and 1080i/60 HDV
- Cross Conversion 1080i→720p
- Down-scale to SD (anamorphic, letterbox or edge-crop output)
- 100% digital, no A/D or D/A conversions
- RS-422→ 1394 deck control for batch captures: offline/online workflows
- Compatible with Sony HDCam & DigiBeta Decks
- Verified with: Avid Adrenaline HD, Avid DS Nitris, Avid Media Composer, Final Cut Pro (with AJA or Blackmagic Card), Adobe Premiere, Media 100 & Quantel products
- Size= 3.5"(L) x 5.0" (W) x 1.1"(H)
- Power: +5V, 4 Watts
- Power Supply Included

HDV, DV, AVCHD --> HD/SD-SDI Workflow

nanoConnect



The HD-Connect MI



- HDMI → HD/SD-SDI Conversion (with emedded audio)
- HDV, DV and AVCHD Playback Support!
- 720/60p, 720/59.94p, 720/50p, 1080/60i, 1080/59.94i, 1080/50i, 1080/30p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.97p, 486i and 576i HDMI support
- Up to 8 channels audio (7.1)
- Eliminates Long-GOP (HDV or AVCHD) editing (and associated render times) by enabling REAL-TIME conversion of HDV/AVCHD to DNxHD, DVCProHD and other I-Frame Codecs
- YUV 4:2:2 or RGB 4:4:4 HDMI/DVI Support
- Saves the cost of purchasing multiple decks for 720p and 1080i support. For example, the Sony M25U deck or HDR-HC3 camcorder will playback both 720p and 1080i tapes (except 720p24 and 1080i24F). (Not possible with Native HDV Editing).
- Cross Conversion and down-scale as provided by the deck. (see compatability chart below)
- 100% digital, no A/D or D/A conversions or losses.
- 1394 deck control direct from your computer NLE for batch captures: offline/online workflows
- Compatible with Sony HDCam & DigiBeta Decks
- Verified with: Avid Adrenaline HD, Avid DS Nitris, Avid Media Composer, Final Cut Pro (with AJA or Blackmagic Card), Adobe Premiere, Media 100 & Quantel products
- **NOTE: Will not convert HDCP encrypted content.**
- Color Bar Output with no HDMI input
- Extremely low latency (<100 usec)
- Ability to force 1080i, 720p, or SD(486i or 576i) from HDMI devices that would not otherwise support these formats (eg. Sony HDC-HC3)
- Size= 3.5"(L) x 5.0" (W) x 1.1"(H)
- Power: +5V, 3 Watts
- Power Supply and HDMI cable Included

Pleora Ethercast Cards- Video Solutions SDI-CAT5, HDV-CAT5



EtherCast™ PL4453 Video IP System

Real-time, high-quality transport of DVB-ASI and SD/SDTi video over Ethernet

Pleora's EtherCast PL4453 is a high performance, four-port transport system that reliably delivers DVB-ASI, SD-SDI and SD/SDTi video in real-time over low-cost Ethernet networks. The system is ideal for transporting SDTV and HDTV content over managed Layer 2 VLANs, which cost considerably less to lease or own than the facilities traditionally used to transport broadcast quality video, such as satellite links, ATM networks, or SONET/ SDH networks.

The EtherCast PL4453 Video IP System is highly flexible. Each port is an independently addressable IP node, can be configured as either a receiver or transmitter, and works with DVBASI, SD-SDI, and/or SDTi (SMPTE 305M).

APPLICATIONS

- DVB-ASI transport over IP networks
- Low-cost Ethernet connectivity
- Live or stored content distribution
- Simultaneous multicasting
- Transport of dailies to post facilities
- Instantaneous and efficient



- Tele-presence videoconferencing
- Unparalleled image quality and low latency*

The EtherCast PL1453A Video IP Engine
Real-Time, High-Quality transport of SDSDI/SDTI and DVB-ASI digital video over Low-Cost GigE networks.

Pleora's EtherCast PL1453A IP Engine small, low-power, affordable device that reliably transports SD-SDI, SDTI, or DVB-ASI digital video in real time over standard Gigabit Ethernet (GigE) or Fast Ethernet/IP networks.

Applications

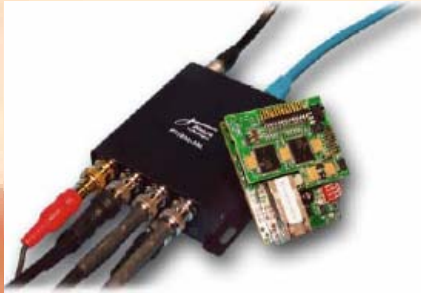
- Premise-to-premise delivery of uncompressed SDI video in real-time
- Multipoint SDI and ASI distribution
- Multiplexed ASI transport between city pairs
- Studio-transmitter links SDI or ASI
- Alternative video routing for critical feeds and high-reliability redundancy
- Voice, data, video convergence over IP

PT1000-ANL-2/12, PT1000-ANL-2/6 and PT1000-ANL-1/6

Analog Video IP Engines

Flexible, long-reach, cost-effective connectivity between analog cameras and PC's over Gigabit Ethernet links or LANS.

Pleora's iPORT PT1000-ANL-2/12,-2/6,-1/6 Analog video IP Engines slash the cost, reduce the complexity, extend the reach, and improve the flexibility of analog camera systems for industrial vision and security/surveillance applications.



Standards Converter, Timebase Corrector



Ultima is the latest version of MSTC and combines many improved standard features including 2 field/4 line standards conversion, frame-store, format converter, improved logo inserter, pattern generator, colour corrector and noise reduction in a cost effective package. All features are standard apart from the SDI interface which can be retro-fitted if required.

Converts between PAL B, M, N plus NTSC M (US), 443 and SECAM H-V (input only) standards with 2 field/4 line window.

Ultima synchronizes, stabilizes, corrects and processes all video formats including optional SDI 601.

Standard features include colour correction, recursive multi-level noise reduction and full proc-amp facilities.

Format conversion is provided between Composite, Y/C, RGB and YPbPr analogue/SDI 601 digital* signals.

Other facilities include Logo inserter, output fade-to-black and video test pattern generator as standard.

Ultima can also be Windows PC-controlled via a USB link

An optional high high stability SPG (1 ppm stability) can be provided.

ENCODER/DECODER

DARIM
MV401/MV410 - H.264, WM9
Encoder/Decoder



MV401-H264 and MV410 broadcast A/V encoder/decoder pair are the state-of-the-art broadcast and multimedia content processing devices. They are designed to operate using the Internet or IP over satellite links. The MV401-H264 encoder is tuned up for the newest H.264 video (also known as MPEG4 part 10 or AVC) and MPEG4 AAC audio formats. The MV410 is a dedicated multi-format broadcast quality A/V decoding device used on the receiving end. It is capable of converting compressed video and audio contents obtained from the IP network link to digital or analog signal suitable for studio monitors, VTRs, switches and other professional equipment. Based on solid-state memory embedded design, MV401-H264 and MV410 systems consistently perform A/V encoding, streaming, reception and decoding day after day. The new compression technology allows users to transmit several times more channels over the same network or satellite bandwidth than currently used for MPEG2! This not only saves time and money but also provides greater room for future expansion of channels.

- Embedded, power-on-and-forget technology for dedicated encoding and decoding
- MV401-H264 encodes live H.264 video at full D1 resolution and up to 4 channels of MPEG AAC audio
- MV401-WM9 encodes live Windows Media 9® and Windows Media 9 Professional® video and audio
- Adaptive spatial and temporal video noise reduction filter and de-interlacing hardware

	• Low-latency unicast and multicast IP streaming of H.264/AAC encoding unit • Encoding bitrate can be selected from 0.1 to 16.0 Mbps depending on application • Dual Gigabit Ethernet LAN ports provide additional performance and redundancy • Selection of DVB-ASI stream output is available (optional) • MV410 decodes H.264 video at up to full D1 resolution and multi-channel audio • Support variety of resolutions, bitrates and frame rates • Interfaces to most analog and digital A/V equipment
IMX e4080HD H.264 High Definition Internet Video Encoder  	The IMX e4080HD video encoders are designed to deliver high definition 720p and 1080i and 1080p* videos over Internet even with bandwidth constraints. The IMX e4080HD series live video encoder is designed to work with IMX i2410 and IMX X1i live XMS streaming servers to streaming live videos over a private IP network or the Internet. IMX e4080HD encoder is optimized to work with MatrixStream's XMS streaming protocol. Input/Output Ports • Video Inputs HD-SDI (SMPTE292M) • Audio Inputs Embedded in SDI • Output Interface - o 2x Gigabit Ethernet ports - o 1x Ethernet dedicated to service streaming - o 1x Ethernet Out-of-band, dedicated to management - o 1x DVB-ASI (75 Ohm BNC connector) Key Benefits • Low-profile 1U rack-mounted design for reduced cost-per-channel • IMX e4080HD encodes live high definition H.264 video at resolutions of 720p, 1080p*, 1080i x 1440, 1280 and 960 pixels • Interfaces to digital AV equipment via the HD-SDI interface • Encoding bitrate can be selected from 1 to 25 Mbps depending on application • Supported frame rates 1080p@24*, 1080p@30*, 1080i@25, 29.97 and 30 HZ • Dual Gigabit Ethernet LAN ports provide additional performance and redundancy. Sperate Ethernet ports for service streaming and out-of-band management. • Management by front panel with LCD/Keypad, embedded Web server configuration and SNMP (MIB v2C) with remote SNMP supervisor • Work Seamlessly with IMX Server Series - IMX e4080HD video encoders are optimized to support • MatrixStream's XMS streaming protocol over the Internet. This means IPTV providers can stream full screen high definition videos over the Internet. MatrixStream XMS streaming currently supports H.264 video codec only.

PORTABLE AND STUDIO LIGHTING SYSTEMS	
Energy-efficient Cold-light Source News Lamps 	Energy-efficient Cold-light Source News Lamps Cold-light source news lamps adopt the most advanced cold-light tubes which overcome the shortcomings of traditional news lamps and have the characteristics of high luminous efficiency, long lifetime , durability, convenience. Characteristics: • Adopt cold-light source, without filament • Small working current • Panchromatic colour spectrum(The whole chromato-gram), Pure white light • Good color rendering property • Stable color temperature • light equipment, simplified operation
	Characteristics:

Ultralight Model: CM-168, CM-518



518

- Ultralight can be fitted on the camera handle conveniently, receive power supply from camera battery packs.
- Use OSRAM tungsten halogen lamp, lighting efficiency is high. Long lamp life is up to 5000 hours.
- Offer diversified selections and dispositions of power, color, temperature, light range.

Parameters:

- Adapt to: CM-1 68 for Sony SX digital camera .CM-51 8 for all cameras with gold mount and cameras powered by Mount type Li-ion battery.
- Wire: 218mm for CM-1 68, 518mm for CM-518.
- Color temperature: 3200K
- Power: 20W, 12V for CM-168 ; 35/20W, 1 2V for CM-51 8
- Accessory: 5600K soft focus attachment/optical filter.

Tricolor fluorescent light



Incolor fluorescent light (.Also called the coldlight) changes the low efficiency and high temperature, the shortages of calorescence. Compared with calorescence source light. It can reduce heat more than 90%.

Characteristics:

- Long service life: The useful time of tubes are up to 1000 hours which is 60 times of calorescence source light.
- Low temperature: the temperature of tube surface is so low that it is scarcely possible heat up the shone objects and will not cause too high temperature in the
- broadcasting studio.
- Energy saving: low power, low energy consumption
- Constant color temperature
- High color rendering property

Fresnel Spot Light



Fresnel Spot Light) has small volume, light weight, soft light, high brightness. The light is used for art, news, subject and talking program in the minitype or middletype studio.

Characteristics:

- The structure of Spot Light is combined with aluminum and sheet-metal
- High intensity of illumination
- Uniform gradual change light
- Evenly distributed luminous spot
- Short focus pantoscopic lens offer more lumen output and light distributing.

CM-LBPP900

Adapt to PANASONIC's CGA-D54S/CGP-D28S and the Battery of DC-6-17V with B type power interface



Features:

- 1 .The CM-LBP is a professional Camera Light uses a world famous high-brightness white LED as its lens light source
- 2.Energy-Saving and Environmental-friendly with the maximum Power Consumption of approx.10W
3. Wide range of irradiation with homogeneous light distribution(90°angle for brand light and 45° angle for spotlight)
- 4.High illuminance with higher Luminous efficiency: It can reach 900lux(1 m)
- 5.Light weight: Just 250 g for the Camera Light
- 6.Color temperature can be selected as 4500K or 3200K according to the actual situation
7. The Camera Light can provides illumination of 400lux or 900lux
- 8.The light can be adjusted for high beam or low beam by the diffuser or condenser lens according to the actual needs
- 9.The LED Camera light has a long life time of about 10,000hours with excellent impact-resistance and weather resistance qualities, and so requires hardly any maintenance or replacement
- 10.The camera light can be easily installed and can be compatible with camcorders of all types

CM-LBPS900

Adapt to SONY s NP-F970/NP-F770 and the Battery of DC-6-17V with B type power interface



Features

1. The CM-LBP is a professional Camera Light uses a world famous high-brightness white LED as its lens light source
2. Energy-Saving and Environmental-friendly with the maximum Power Consumption of approx.10W
3. Wide range of irradiation with homogeneous light distribution(90°angle for brand light and 45° angle for spotlight)
4. High illuminance with higher Luminous efficiency: It can reach 900lux(1 m)
5. Light weight: Just 250 g for the Camera Light
6. Color temperature can be selected as 4500K or 3200K according to the actual situation
7. The Camera Light can provides illumination of 400lux or 900lux
8. The light can be adjusted for high beam or low beam by the diffuser or condenser lens according to the actual needs
9. The LED Camera light has a long life time of about 10,000hours with excellent impact-resistance and weather resistance qualities, and so requires hardly any maintenance or replacement
10. The camera light can be easily installed and can be compatible with camcorders of all types

LED Camera Light



Features

1. Our Camera Lights use a world famous high-brightness white LED as its lens light source.
2. The irradiation range is wide with homogeneous light distribution.
3. Color temperature can be adjusted for 4500K or 3200K by the diffuser according to the actual situation.
4. The Camera Light provides high-intensity illumination with higher luminous efficiency: 1200lux or 1800lux(1m).
5. The brightness can be adjusted.
6. The Camera Light can be adjusted for high beam or low beam by the condenser lens according to the actual needs.
7. The Camera Light can has a long life time of about 10.000 hours.
8. The power consumption of 18W is equal to the illumination of normal light of 80W.
9. The Camera Light is easy to be installed and operated.

GRAPHICS

Logo Bug Inserter



Technical Characteristics

INS/OUTS

- 2 HD/SD SDI Ins (1080i,720p,525,625 auto sense)
- Inputs have Bypass Relay
- 6 HD/SD SDI Outs
- 4 GPI In and 2 GPI Outs
- 1 RJ45 100base_T Ethernet

GPI

- Complete configurations can be recalled from GPI

Signal processing

- Except for BI549 and BI559, signal processing is entirely done in YUV (4:2:2) to preserve background picture quality
- Full RGB signal processing in version BI549 and BI559
- Multi-layer capabilities: A maximum of 4 layers, one per Bug
- Supports bug transparency
- Totally independent processing of each output
- Preserves embedded audio and VBI content

BUG/LOGO Management

All controls possible by using DAZIBAO, software under WinXP:

- Bug/logo selection,
- Picture Positioning,
- Layer selection,
- Bug transfer from PC and storage inside FIG

TVI-83 - Multiple Sync Video Marker



DRAW & POINT OVER VIDEO, COMPUTER, SDTV & HDTV

Make your point. Make it clear. Make it powerful. Use the TVI-83 multiplesync video marker in your next presentation to draw or point on video images as easily as you would use a pen. Label or frame images.

Connected between a video source and monitor, the Video Marker can be used to enhance a video presentation by helping you drive home your point or otherwise draw attention to important details of an image. COMPATIBLE with most document cameras, VCRs, laserdisc players, video cameras, slide to video converters, video conferencing codecs, or other visual sources. Also compatible with most Macintosh and PC computer standards. PC compatibility includes many nonstandard video scan rates offered in Windows® 95/98, NT/2000. The TVI-83 is also now compatible with component video both SDTV and HDTV, most resolutions up to 1080i.

TVI-65 HD-SDI Broadcast Video Marker



The TVI-65 draws over HD-SDI video signals up to 1080i, 720p. Increase audience attention by directing to details on sports, weather, traffic, news, and other broadcast images. Once, only football analysts drew on video. Now, this technology has expanded into many broadcast applications, and is compatible with most production budgets. The TVI-65 video marker draws on most HD-SDI signals up to 1080i, 720p. The TVI-65 professional broadcast video marker is easy to install and use; technicians or talent can draw and point over prerecorded or live images during live broadcast or post-productions. Choose from 12 different pointers, 3 line thicknesses (with or without a drop shadow or outline), with 256 colors available displayed on screen at any one time.

TVI-46 - Computer Video Marker



DRAW & POINT ON LIVE COMPUTER IMAGES

The TVI-46 notebook marker allows notebook users to draw and to direct colorful pointers over any live computer image displayed. Connected between a computer and monitor, this powerful visual aid allows presenters to quickly and easily annotate areas of interest on images displayed on the monitor or on a large screen through the use of an LCD projector.

Some applications include:

- Direct and Focus Attention
- Emphasize Key Points
- Clarify and Simplify
- Enhance Images
- Professional Training, Sports, Weather and Traffic Broadcasts, Courtrooms and Boardrooms

Visual Paint - Stunning HDSD Real-Time Telestrating System



Visual-Paint is a new tool for TV commentators to enhance their presentations with freehand drawing of lines, shapes and other illustration on the television screen. The electronic pen and tablet functions just like a paper and a pen, so any commentator can highlight, illustrate their comments visually directly on the broadcast feed.

An integrated HD/SD video file server constantly captures the live feed, and is ready to playback with mark ups on the actions that just took place. Slow motion playback is an integral feature of the server with freeze frame, fast-forward and rewind playback control-visual Paint records in both HD and SD video formats. An integrated HD/SD video file server constantly captures the live feed, and is ready to playback with mark ups on the actions that just took place. Slow motion playback is an integral feature of the server with freeze frame, fast-forward and rewind playback control-visual Paint records in both HD and SD video formats.

DScript 3D CG Live On Air Graphics System

DScript 3D CG Live On Air Graphics System is a powerful yet cost effective CG solution that brings a host of new features to the CG platform. It offers a feature rich design system for creation of 3D graphics and animation. Based on GPU processing architecture and DirectX 3D technology, it provides powerful 3D real-time rendering performance. It provides you with a complete graphics solution includes a character generator, sequencer, key frame animation editor, subtitle



with multiple layer compositing and playout capabilities.

Highlights

- Real-time 2D & 3D HD / SD graphics & animation system
- Independent main and look-ahead preview channel
- Unlimited layer compositing and playout
- Dynamic data receiving and updating
- Advanced character generator tools
- Real-time 2D & 3D DVE
- Flexible & easy creation of 3D text & objects
- Built-in 3D Figure builder
- Support for 3D modeling from 3rd party software
- Full support for texture maps and video

Features of DScript 3D

- Exclusive Main and Look-ahead Preview Channel
- Unlimited Layer Compositing and Playout
- Dynamic 3D Animation
- Real-time Information Updates
- Powerful Text Effects

TouchNews - supporto tecnico per la rassegna stampa televisiva



Con il kit hardware e software TouchNews la rassegna stampa televisiva diventa davvero leggere la notizia insieme.

Basta un semplice tocco sul monitor sensibile e le pagine dei quotidiani si sfogliano in diretta TV con la stessa naturalezza con cui si legge il giornale seduti al bar o alla scrivania.

Grazie alla tecnologia TouchWindow su monitor LCD ed all'applicazione TouchNews, le testate d'interesse nazionale o locale importate in formato PDF nel sistema dedicato, vengono visualizzate e fruite in modo fluido e coinvolgente dal punto di vista televisivo. Sono sufficienti semplici sfioramenti sullo schermo e l'anchorman, senza perdere concentrazione ed offrendo un aggiornamento news di buon impatto scenico, è in grado di ingrandire, spostare ed evidenziare i testi in diretta live.

Il sistema hardware è dotato di una uscita video analogica ed SDI sincronizzata per mostrare a pieno schermo la sola area di lettura.

Per le esigenze di promozione della televisione ospitante, il software consente personalizzazioni di sfondo e logo.

TouchDraw – supporto scenico per trasmissioni sportive



Con il kit hardware e software TouchDraw le trasmissioni di commento sportivo si arricchiscono di un supporto di grande impatto scenico.

Sul monitor touch screen è possibile fermare le immagini più interessanti con il tocco e disegnare con il dito scegliendo colori e modalità.

Grazie alla tecnologia TouchWindow su monitor LCD ed all'applicazione TouchDraw, i commentatori sportivi potranno spiegare le azioni e dibattere sulle contestazioni o su ogni immagine proposta dalle telecamere, in diretta o in differita. È possibile infatti scegliere se disegnare su video live o su un file pre-registrato. Quest'ultimo molto utile per i commenti del post incontro o del giorno dopo.

Il sistema hardware è dotato di una uscita video analogica ed SDI sincronizzata per mostrare a pieno schermo le immagini ed il painting.

Per le esigenze di promozione della televisione ospitante, il software consente la personalizzazione dello sfondo.

Point HD The Worlds Leading Telestrator

Visually Stunning Graphics at the touch of a Screen

POINT is used all over the World by leading sports broadcasters at many varied sports events. Sky Sports, TWI, NTV+, Charter Broadcast, Video Europe, Cinevideo VTM, MNET, BBC, and Wurmser are just a few using POINT to enhance their sporting coverage and commentary.

Point Applications

POINT is designed for real-time graphics video illustration, or 'telestration' and has been enhancing live broadcasts since 2000. Based on a touch screen control, the system offers unprecedented power, quality and flexibility for telestration applications. If you have something to explain in a live situation there is no other product that can do it as well as POINT. It's range of tools provides the facilities for the presenter to dynamically illustrate events with captivating graphics and all under finger tip control.

Point Features



POINT developed with broadcasters to ensure that all its innovative features are easy to use and make it the perfect tool for a live presentation.

The system features include:

- Easy Control - touch screen interface designed for any non-technical operator.
- Simple Controls - quick and easy, allowing non-technical operators to confidently present the on air graphics.
- Real-time - instant graphics that immediately draw under the touch of your finger tip.
- Dedicated Hardware - high quality broadcast video input/output structure (10bit, 4:2:2).

Open architecture software - allowing POINT to be customized for your own applications.

MEDIA ASSET MANAGEMENT

PHOTO & VIDEO IMMEDIATE RESEARCH THROUGH METADATA STORING SYSTEM



Hypercast Editor, a software solution for segmenting, indexing, annotating, and cataloging all types of audio and video files, is the primary tool in the range for building a Media Asset Management system.

Video capture

The Hypercast Editor user interface is designed to provide fast and accurate control without requiring any special knowledge. You can play back all types of audio and video documents either locally, over a network, from a tape deck, or from an audiovisual database.

- Customizable blocks.
- Automatically saves work in progress and reopens the last saved version if work is interrupted.
- Identical processing of all files (video and audio).
- Batch digitization.
- Controls VCRs via RS-422 and DV.

Encoding

Hypercast Editor transcodes all types of audiovisual sources.

- Segment by segment encoding capability for a detailed selection of the information to be broadcast.
- Video encoding formats: Windows Media, Real, Quicktime, MPEG 1, MPEG 2, MPEG 4, .AVI, etc.
- Audio tape encoding formats: .WAV, .MP3, AIFF, AAC, etc.

Hypercast Warehouse is a flexible platform entirely dedicated to Media Asset Management. This full-featured software solution provides companies with a system for centralizing, sharing, and viewing audio, image, and video archives, and broadcasting them across multiple distribution channels (Web portals, mobile devices, ADSL, etc.). Hypercast Warehouse is very flexible and adaptable, designed for any company needing to manage content.

Managing audiovisual files and their associated media

Hypercast Warehouse references all types of objects, files, and physical media (audio, video, and still images).

- Identify all copies of a given video or image, whatever the version, format, or location.
- Automatically convert source files into various formats for viewing and distribution.
- Transfer the various copies to centralized storage locations.

Managing associated data

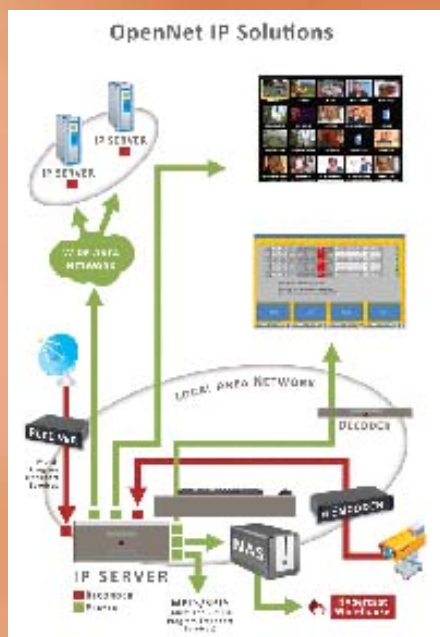
You can describe collections of images, videos, and images in a catalog.

U-Share is a network management system for content contribution or occasional broadcasts, automating the exchange of video and audio data from a source site to one or several destination sites. Designed for broadcasters and/or Telecom operators, U-Share is a software package designed in a modular fashion. U-Share uses the latest transmission technologies: the computer transport network IP (in asynchronous mode: FTP) and/or video (DVB Digital Video Broadcast in synchronous mode). The user-friendly interface of the U-Share system workstations ensures fast and efficient handling by users.

Acquisition

The U-Share video acquisition module automatically digitizes all types of feeds.





- Automatic scheduled or immediate feed acquisition.
- Digitization from VTR, an SDI source or ASI source.
- Video server control.
- Integrated simple video editing tool (Clean Cutter).

U-Share's exchange scheduling module allows the scheduling (Booker) of each exchange from a site to one or more receiving sites (source site, destination sites, start date/time, duration, and so on).

Image recognition and scheduling

- Scheduling over several weeks
- Detection of from 1 to 5 key images to start and stop recording
- Partial detection within an image
- Detection delay: 1 image (or 40 ms at 25 images/second)
- Digitizing delay: 400 ms
- Remote control

- Automatic generation of audio and video files by feature
- Video capture in AVI format (with or without compression)
- 24/7 operation
- Capture of broadcast streams or analog cassettes
- Management of changes in the program schedule

- IP Recorder and IP Player are the same soft which can be use in two functions
- IP Recorder :
 - Extract video from IP Stream on a network
 - IP feed can be Unicast or Multicast
- IP Player :
 - Play video over an IP network
 - IP feed can be Unicast or Multicast

- Never alter the file (ex: after 12 cycles, the video file is exactly the same than the original)

- No need video grid
- No need video pure server
- No need hardware decoder
- Simple workstation
- Video mosaic in a « simple » PC

- More powerful than FTP exchange system
- It takes 20min to exchange 20min video whatever the number of destination

- The best way to exchange one video to many destination in the same time. It costs only the time of the media, in opposite for FTP many users.

LIVE FEED

TMP-M Series 9 & 15 Input Broadcast Videomixers



TMP-M90 9-input 1 M/E videomixer

- 9 analog (composite or component) and digital (SMPTE-259M) video inputs
 - Frame Synchronizer at the each Input
 - 2 keyers
 - 20-bit digital signal processing
 - Logotype generator included
 - Analog and digital outputs (Program, Preview, AUX)
 - High-Quality Chromakey Technology
 - Redundant Power Supply
1. Input modules installation area. Both analog (PAL/YUV) signal modules and digital signal (SDI) modules can be used.
 2. Digital Processing and Synchronization module.
 3. External synchronization reference input.
 4. Installation position for PROGRAM OUTPUT module.
 5. Installation position for PREVIEW OUTPUT module.
 6. Installation position for AUX OUTPUT module.

TMP-M150 - 15-input 1 M/E videomixer

- 15 analog(composite) and digital (SMPTE-259M) video inputs
- Frame Synchronizer at the each Input
- 4 keyers
- 20-bit digital signal processing
- Logotype generator included
- Analog and digital outputs (Program, Preview, AUX1, AUX2)
- High-Quality Chromakey Technology
- Redundant Power Supply

TMP-M Series 12 & 24 Input Broadcast Videomixers



Easy integration in systems with various formats of input and output signals

Superb performance / price ratio

- ☐ 5 years warranty
- ☐ Efficient and convenient service
- ☐ 10 year experience of exploitation
- ☐ Hundreds of systems in 10 european and asian countries

Stream-Multicreen - Audio/Video Signals Monitoring System



KEY FEATURES

- Multiple monitors support;
 - Vertical monitor arrangement;
 - Signal parameters and error detection control;
 - High image quality. Resolution up to WUXGA (1920 x 1200 pixels);
 - Quick video window location configuration change by pressing "hot keys";
 - User-friendly interface – drag & drop support, output to monitor template creation software;
 - Connection to LAN allows to join several devices in a single network and fully control them from any workstation;
 - Redundant power supply;
- Stream MultiScreen connection to LAN allows to join several devices in a single network and fully control them from any workstation.

Broadcast Graphics Design and Playout Automation Systems



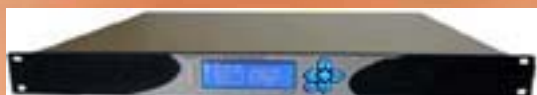
SOLUTIONS >> PLAYOUT AUTOMATION

- Automatic, scheduled video material on-air playback in round-the-clock, 24/7/365 mode non-stop;
- Broadcasting automation by scheduling the programs output, inserting regional advertisement into central channel broadcasting line-up, adding titles, overlaying stills and logos, generating clocks display and much, much more.
- Playout of video clips of different format, resolution and frame rate without decoding.
- Editing schedules on-the-fly, during playback, creation of schedules for unlimited number of days ahead, import of schedules and compilation remotely.
- Rotation mechanism provides automatic airtime filling with text messages, graphic elements and video clips. No need to create a scrupulous play list!

SOLUTIONS >> BROADCAST GRAPHICS DESIGN

- The number of graphic elements used for channel design is unlimited;
- All types of fonts, three dimensional shadows, semitransparent masks, textures, complex multilayer compositions;
- Wide range of linear effects: Vertical Roll, Horizontal Crawl, Reveal Up / Reveal Left, Animated logos and clips playback as an individual effect, or as a part of titles block, Fade In / Fade Out / Cross Fade, Zoom, 300 types of Wipes etc.
- Graphics and titles are overlaid over pass-through video signal that does not change, it is not decoded, not filtered and not compressed.
- System works in real time. No need for rendering for graphics and titles

IMX e4080HD H.264 High Definition Internet Video Encoder



The IMX e4080HD video encoders are designed to deliver high definition 720p and 1080i and 1080p* videos over Internet even with bandwidth constraints. The IMX e4080HD series live video encoder is designed to work with IMX i2410 and IMX X1i live XMS streaming servers to streaming live videos over a private IP network or the Internet. IMX e4080HD encoder is optimized to work with MatrixStream's XMS streaming protocol.

Input/Output Ports

- Video Inputs HD-SDI (SMPTE292M)
- Audio Inputs Embedded in SDI

Output Interface

- 2x Gigabit Ethernet ports
- 1x Ethernet dedicated to service streaming
- 1x Ethernet Out-of-band, dedicated to management
- 1x DVB-ASI (75 Ohm BNC connector)

Darim MV400 series - Streaming servers



Encoder / Decoder MV400 Series HD and SD

The MV401 and MV410 series of encoding and decoding solutions are here to deliver the new level of high quality streaming in HD or SD resolutions. Both devices are designed to operate using the Internet or IP over satellite links. Based on solid-state memory embedded design, MV401 and MV410 systems consistently perform A/V encoding, streaming, reception and decoding 24/7. The H.264 (AVC) compression technology allows users to transmit several times more channels over the same network or satellite bandwidth than currently used for MPEG2! This not only saves time and money but also provides greater room for future expansion of channels.

To maintain the highest quality of compressed video stream all MV401 encoders uses real time video filtering, adaptive noise reduction and de-interlacing hardware. The filtering greatly improves compression ratio and permits more efficient network bandwidth utilization.

Darim MV211 AV Titler - Streaming server



Transcoder with AD Titler MV211

The advanced and affordable way to insert local commercials and graphics into an incoming ASI or IP feed with or without transcoding

The MV211 adds graphics overlays (logo, titles) and commercials to your incoming IP and ASI feeds then re-compresses them carefully again for downstream IP and ASI playout! Using proprietary MPEG2 compression technology, it maintains images at their original quality, even after titling, because it isolates and compresses only the zones in which titles and logos appear - leaving the surrounding video intact! The MV211 turn-key solution is ideal for local cable service operators. It supports data input and output in the ASI format (BNC) and IP format using two Gigabit Ethernet ports. MV211 provides with ASI and IP input programs selection, ASI and IP simultaneous output option, selected-channel transcoding from MPEG-2 to H.264 and vice versa, as well as insertion a digital signal to ASI to IP feed.

Two video compression formats are supported: MPEG-2 and H.264/ AVC. A single MV211 unit can process several incoming and outgoing channels. Several MV211 units can be joined into a local network to process many TV channels transmitted in one transport stream, e.g., in one DVB multiplex channel. This gives an advantage of scalable system for future channel expanding and per-channel processing power cascading. MV211 stations feature web-based management via LAN or Intranet, including schedules, graphics and video clips.

Darim Sport Replay HD and SD



Instantly Relays Goals and Penalties In Slow-Motion from Mutiple Angles-while Recording

Darim's Sport Reply system is designed for transmission of sport programs with slowed repeats. It instantly replays captured sporting activities from a different camera prespectives.

The Sports Replay system captures up to 4 channels of video and audio at once and compresses it into high-quality frame-accurate storage. The Console application makes it possible to mark any number of events during the recording. then, the operator can select any time cde position and channel for instantaneous playback at a fixed speed or fluidly changing speed levels. The new Preview application allows for fast composing of material from various event marks associated with the most interesting moments of the game for playback between periods or right after the end.

The Sports Replay system eliminates the need for separate stations for production work necessary for broadcasting. Right from the stadium and production trucks, editing, viewing, and playback of recorded video files arc processed with or without the crew. Darim s reliable automated playout and time-shift technology enables operators to carry out busy tasks of fast paced live events without interrupting capture process.

Ext-OnAir



Punti di forza

- Titolazione grafica 3D in tempo reale
- Animazioni su più layer indipendenti
- Playout di clip video in diversi formati
- Gestione dinamica dei contenuti
- Funzionalità evoluta sui database
- Interfaccia modulare e personalizzabile

Il nuovo Ex-OnAir, completamente rinnovato nell'interfaccia utente ed arricchito di molte funzioni, si conferma lo strumento perfetto per la messa in onda di qualsiasi contributo grafico e video dell'emittente televisiva.

Ideale per contribuzioni grafiche particolarmente complesse e legate a basi di dati, come i risultati di tornate elettorali, sondaggi, concorsi e classifiche, Ex-OnAir trova facile applicazione in qualsiasi format dove la tradizionale scaletta risulta inadeguata. L'attuale versione, basata sul nuovo engine di TVPack3, consente non solo di mandare in onda contributi grafici bidimensionali, ma vere e proprie animazioni tridimensionali, con loghi e scenografie 3D: il tutto in tempo reale!

Playback Servers - Multichannel MPEG



Features

- Up to 16 video and audio channels in MPEG in only one computer.
- Genlock option for A/V conmutation.
- Video standard: NTSC and Pal, with RGB, S-Video or composite video out.
- Logo insertion.
- VTR control via RS-232 or RS-422 (Sony® 9 pin).
- CUE-TONES detector.
- Video matrix control.

Benefits

- Centralized control of video content
- Money saving in multichannel applications
- Security and trust
- Control of the broadcasted material
- Control of users' access to the system

Tempestini Group offer a variety of configurations to fulfill the required Audio / Video broadcasting needs in a television channel.

DARIM FS1000 Fully Automated Scheduling, Playout Time-Shift Server



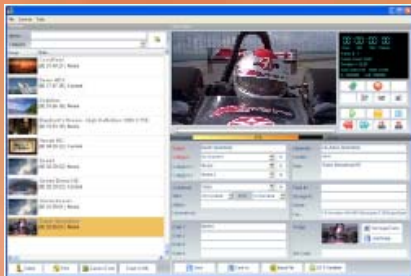
The FS1000 is an evolutionary digital system which truly integrates everything for operation in broadcast studios eliminating all the legacy peripherals and video tapes. This allows for reduced man hours while still broadcasting 24 hours a day.

FS1000 can be used with an internal or network-attached hard disk drive storage system eliminating the need to store and catalog hundreds of tapes.

FS1000 includes A/V switcher, ingestion, multilayer title and logo insertion, multi-format scheduler, mixer and playout server. The server can either be controlled in the studio or from a remote site by network or GPI. The server can also be integrated with external audio and video switcher and mixer for additional I/O capabilities.

The FS1100 model also adds includes our innovative PostPlay software for conveniently programming delayed (time shifted) playout of live A/V feed.

Video-Server SD Multiformat



VIDEO-Multiformat is new automation software for Television channels that incorporates new technologies which allows the total control of different multiformat and multichannel contents.

The functionality of **VIDEO-Multiformat** allows the user to make different operations

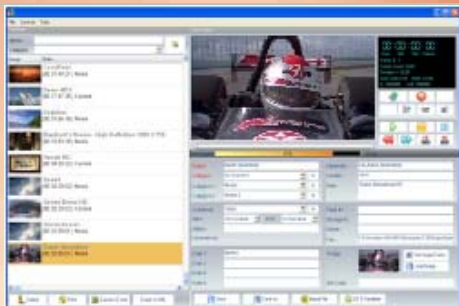
- One recording channel, One play channel
- Multiple compression formats selectable, DV, MPEG2, MPG2, I-FRAME, DVCPR0, DVCPR0-50, UNCOMPRESSED, MJPEG, DVCAM, MPEG2 (ISO/IEC 13818-2) (VBR, CBR) up to 80 Mbps.
- Assignment of videos to keys for a quick play
- Assignment of metadata to every video file in header or with integration to data base
- Broadcast report and commercials certifications Search frame by frame
- Possibility of defying multiple clips over the same video Audio levels adjust SQL data base
- HTML control, with reports visualization, schedules, air control.
- Compatible with protocols VDC, P2, Advanced Media Protocol (AMP), RS-422, I-news, Mos
- Preview on screen
- Remote network control modules
- Video trim
- And more

Video-Server HD Multiformat

VIDEO-Multiformat-HD is new automation software for Television channels that incorporates new technologies which allows the total control of different multiformat and multichannel contents.

The functionality of **VIDEO-MF-HD** allows the user to make different operations

- One recording channel One play channel
- Multiple compression formats selectable, 1080P, 1080i, 720p, Frames 23.98/24/48/50/59.94/60, MPEG 2 (ISO/IEC 13818-2) (VBR, CBR) up to 80 Mbps, MPEG 2 HD DVD, MPEG 2 HDV



- HD1, XDCAM 1080, 540, WMV HD.
- H.264/AVC, MPEG-4, DVCPRO HD (Optional).
- Assignment of videos to keys for a quick play
- Assignment of metadata to every video file in header or with integration to data base
- Broadcast report and commercials certifications Search frame by frame
- Possibility of defying multiple clips over the same video Audio levels adjust SQL data base
- HTML control, with reports visualization, schedules, air control.
- Compatible with protocols VDC, P2, Advanced Media Protocol (AMP), RS-422, I-news, Mos
- Preview on screen
- Remote network control modules
- Video trim

Darim FS1100 - Interactive Timeshift Server



Time-shifting and Re-broadcasting Server

The Timeshift Server is ideally designed for re-broadcasting to different time zones. It includes all the features of the FS Playout Server and allows users to simplify, clear and stabilize the time shifting process of the headend signal. The server can send on-air and receive audio and video materials simultaneously, and delay their retransmission. An internal or network-attached hard disk drive can be used as storage for the FS1100 server. The capacity of the disk drives affects the max time delay of live audio / video playout. It can also be controlled locally or remotely via network or GPI and easily integrated with external AV switcher and mixer for additional input / output capabilities.

The Timeshift Server guarantees effective operation of input and output processes while reviewing, cutting in or exporting clips from the storage. The special algorithms of the server operation provide maximized file system performance, extending the life span of hard drives

The ability to play back the cut clips in random order (within the storage length) allows for complete modification of the schedule in spite of the mismatch of real and desirable duration of ad blocks, avoiding the on-air operator's mistakes. The storage size (max. delay time) depends on the capacity of used disk drives (including the drives via LAN).

Features

- Time-shift and re-broadcasting server - Includes most of the capabilities of FS1000 server
- Simultaneous ingestion, editing and playback, 24/7 - Single and dual channel input models available
- Real-time preview and selection of desired video segments (multi-channel)
- Flexible re-scheduling of selected segments
- Programmable delays or time shift periods ensure proper automatic playback
- Network-based scalability and support for distributed work flow
- Easy integration with existing FS1000 systems
- Fast SATA2 HDD storage (up to 2TB of RAID10 capacity) and redundant power supply

FURNITURE AND CONSOLES

Security Furniture Solutions



We offer custom-made technical furniture, with a comprehensive design, build and installation service for broadcast furniture and manufacturing desks for a range of industries. We have established our excellent reputation by placing great emphasis on understanding the individual needs of each of our customers and working in close partnership with them from initial concept through to design and installation.

APPLICATIONS INCLUDE

- television studios
- radio stations
- sports venues

FURNITURE INCLUDES:

- production desks
- monitor stacks
- radio desks
- media storage
- sound studio tables
- acoustic racks
- acoustic tables
- edit desks
- 19" racks and trolleys

MONITORS

LM-6323 - 6-inch Video LCD Monitor with OSD Control on Front, Metal Housing, Stand and Sun Shield



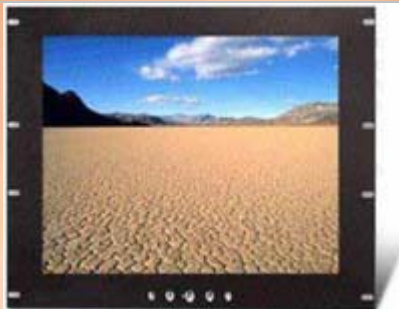
Key Specifications/Special Features:

- Display screen size: 5.6-inch
- Element color: TFT LCD
- Resolution: 960 x 234 (W x H)
- Video system: NTSC/PAL dual system
- Range of operating voltage: 12 to 28V DC
- Viewing angel L/R: 50 deg./50 deg.
- Top: 30 deg.
- Down: 50 deg.
- Power consumption 450ma, 7W max
- Operating temperature: -10 to 60 deg. C
- Storage temperature: -20 to 70 deg. C
- Operating humidity: 95% rh
- Storage humidity: 85% rh
- Overall dimensions: 169.40 x 182.70 x 36.0mm (W x H x D)
- Reverse image left, right, up, down
- Weight: 700g
- Two video inputs, one video out
- One audio input
- One audio output (earphone)
- Left, right, up, down reverse image
- OSD control: brightness, contrast

LM-1910 - 19-inch Video + XGA Industrial LCD Monitor in Rack Mount with Metal Housing and Control on Front

Key Specifications/Special Features:

- Panel type: 19.1-inch TFT LCD (diagonal)
- Displayable resolution: 1,280 x 1,024 maximum
- Display color: 262,144 colors
- Viewing angle:
 - Horizontal: left and right 85 degrees
 - Vertical: H/L 85 degrees
- Contrast ratio: 700:1
- Brightness: 250cd/m²
- Response time: 50 minutes
- Control function (panel): auto, up, power, down, menu
- Power source: AC/DC adapter, 12V DC



LRM-6521 - 5.6-inch Metal Housing Video Serials LCD Monitor with OSD Control of Brightness and Contrast



- Input signal:
 - Video composite: NTSC/PAL
 - 1Vp-p, 75 ohms x 1
 - S-video socket x 1
 - PC RGB analogue: 15-pin D-sub x 1
- Safety regulations: CE, FCC
- Dimensions (L x W x H): 437.0 x 306.0 x 56.0mm
- Weight: 11.5kg
- Temperature:
 - Operation: 5 to 35 degrees Celsius
 - Storage: -5 to 60 degrees Celsius

Key Specifications/Special Features:

- 2 video inputs, 1 video out
- Left, right, up, down reverse image
- OSD control: brightness, contrast

Specification:

- Display screen:
 - Size: 5.6 inches
 - Element: color TFT LCD
 - Resolution: 960(W) x 234(H)
- Video system: NTSC/PAL dual System
- Range of operating voltage DC 12V
- Viewing angle:
 - L/R: 50 deg./50 deg.
 - Top: 30 Deg.
 - Down: 50 Deg.
- Power consumption: 450 mA, 7W Max.
- Operation temperature: 0° to 60°
- Storage temperature: -25° to 80°
- Operating humidity: 95% RH
- Storage humidity: 85% RH
- Overall DIM.: (W x H x D): 489.00 x 131.82 x 66.00mm
- Reverse image: left, right, up, down
- Weight: 3.5 kg

Broadcast LCD HD Monitors

BLM-Basic
Sizes: from 8.4" to 57"



Complies with EBU-2330 TECH, SMPTE-C and ITU-R BT.709 Standards Cutting edge De-interlacing and Scaling Technology
Fast Response Time for high motion video
1366 x 768 (16:9) Native Resolution
350 cd High Brightness, 900:1 Contrast
178° Viewing Angle Display
HD/SD SDI, Composite, RGB, YUV, Y/C, UXGA and DVI Inputs
Supports all HD/SD signal formats @ 50Hz and 60Hz respectively
Analog & Embedded Audio Inputs, Internal Speaker
Intelligent Connection for Alignment & Calibration (ICAC)
Pixel to Pixel Mode, Tally, DC Operation
Waveform Function, Vector Scope, 16 CH Audio Metering Display, VITC
Various Markers Display, Safe Area in HD & SD
H/V delay and Mono Controls, Picture and Picture
Closed Caption Decoding, Internal Pattern Generator
Underscan/ Overscan/ Normal / Zoom
Programmable Front Pushbutton Controls
Intuitive OSD Display
Remote Control For Wall Control System
Programmable GPI control
RS 422 Remote Control
Option: Rackmount, Hood, V-mount, Wallmount, Carrying Case

Multi-Format LCD Monitors



Multi Format LCD Monitors provide a high core technology to display various kind of digital video input signal any format HD/SD SDI, Composite, RGB, Component, Y/C, VGA and DVI. The core technology of BLM Series offer an elegant slim design with high quality images with a full range of facilities for monitoring and measuring broadcast video signals and computer system. BLM series offer fast response time for smooth video streaming, high brightness, contrast ratio, wide viewing angles, accurate color reproduction and quality picture consistency required in demanding HD Monitoring application. Especially, BON products basically customize all products with color temperature setting, gamma setting by auto calibration software and interface for variety of networking with wall control system. BLM Series also provide with various display function such as waveform monitoring, vector scope, time code and audio metering display and offer user friendly menu function to control brightness, color temperature and EQ function of HD SDI input.

BLM-Pro Sizes: 7"



Complies with EBU-2330 TECH, SMPTE-C and ITU-R BT.709 Standards
Cutting edge De-interlacing and Scaling Technology
Fast Response Time for high motion video
800 x 480 (15:9) Native Resolution
350 cd High Brightness, 300:1 Contrast
130° Viewing Angle Display
HD/SD SDI, Composite, RGB, YUV, Y/C, UXGA and DVI Inputs
Supports all HD/SD signal formats @ 50Hz and 60Hz respectively
Analog & Embedded Audio Inputs, Internal Speaker
Intelligent Connection for Alignment & Calibration (ICAC)
Pixel to Pixel Mode, Tally, DC Operation
Waveform Function, Vector Scope, 8 CH Audio Metering Display, VITC
Various Markers Display, Safe Area in HD & SD
H/V delay, Blue only & Mono mode, Picture and Picture
Closed Caption Decoding, Internal Pattern Generator
Underscan/ Overscan/ Normal / Zoom
Programmable Front Pushbutton Controls
Intuitive OSD Display
Remote Control For Wall Control System
Programmable GPI control
RS 422 Remote Control
Built-in V-mount
OPTION : Rackmount, Hood, Tripod Head, Carrying Case

BLM-Dual Sizes: from 17" to 47"

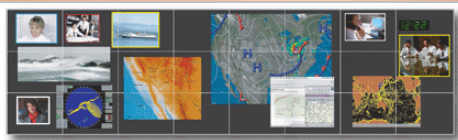


Precision Broadcast LCD
Dual Link / Fast Mode
1920 x 1200 (16:10) Native Resolution
Stereo Audio Input & Output, Level Meter, Ear Phone Jack
Waveform Display, Time Code. PaP (Picture and Picture)
100% White/ Black Color
Internal Signal Generator, HDMI Input
Audio Metering Display, Marker Display, PiP
VITC Display, View Angle 178°
High Performance De-interlacing and Scaling
HD/SD SDI, Composite, RGB, YUV, Y/C UXGA and DVI inputs
Supports all HD/SD signal formats at 50Hz and 60Hz respectively
Underscan/ Overscan/ Zeroscan / Zoom
Programmable Control Buttons
Closed Caption Decoding(608,708)
Front Pushbutton Controls
Simple Intuitive OSD Display
Safe Area Generators, Markers
H/V delay and Mono Controls
Fast Response Time for alleviating motion blur
500Cd High Brightness
Ethernet Port for software updates
User programmable GPI control port
Option: ND Filter, Dual Link, Wall Bracket
Carrying Case

MULTI-VIEWER

MediaWall Duo 4500

The MediaWall Duo delivers full functionality for larger display wall arrays with one easy to use virtual control panel. Even with the maximum of 60 windows displayed simultaneously, real time performance is maintained with no loss of image quality or update rate. Graphic and video windows can be placed



anywhere on the array.

MediaWall Duo 4500 supports up to 60 graphic and video inputs across a 3x8 array. Input windows can be configured to be global (anywhere on the wall) or regional (located on the left half or right half of the wall).

The system employs the next generation MediaWall processor, a fully real time display wall system for arrays of projectors, cubes or flat panel displays. Unique among display wall processors, the MediaWall 4500 is based on a custom, high performance architecture rather than a PC, with faster updates, more display flexibility, robustness and security. Real time display of inputs is guaranteed under all conditions, without dropped frames.

The MediaWall Duo software application, an extension of RGB Spectrum's industry leading Web Control Panel runs remotely under Windows® 2000 or XP.

- Fully real time - no dropped frames
- Robust 24 / 7 operation
- Up to 12 output screens
- Up to 30 graphic & video windows
- Up to 1920 x 1200 and 2048 x 1152 pixel input / output
- DVI input cable equalization
- DVI single link outputs with 500mA pin-power
- Control via PC web browser
- Embedded operating system
- Redundant power supplies
- Downloadable backgrounds
- Borders & titles
- Clock
- Bezel compensation
- Image overlap for edge blending
- Plug and play architecture
- Smooth scaling, panning, zooming
- No PC vulnerabilities
- No hard drives
- On-screen cursor control option
- Presets
- KvM option

DIRECTION AND TV PRODUCTION SYSTEMS

Transportable Direction KIT TMP-NMK-01



Descrizione:

Piccola regia portatile per riprese televisive. Consente di raggiungere il luogo di un avvenimento con facilità e rapidità.

Grazie all'uso di memorie di quadro e TBC permette di usare telecamere e videoregistratori con segnali anche non sincroni tra loro. Ciò comporta risparmio di tempo nella fase di messa in funzione (startup) ed un notevole risparmio sull'acquisto di apparati di sincronizzazione e strumenti di misura. Facilmente utilizzabile anche da personale non specializzato. Un notevole vantaggio è dato dalla possibilità di utilizzare telecamere di nuova generazione che oltre ad essere più piccole, sono in grado di fornire immagini con una qualità di pari livello se non superiore alle vecchie telecamere analogiche professionali ma a costi nettamente inferiori.

Inoltre grazie al lettore DVD installato è possibile usare materiale girato con le nuove videocamere digitali che memorizzano le riprese anche su supporti mini DVD. Gli ingressi di alcune videocamere possono essere sfruttati per essere utilizzati come videoregistratori digitali.

Apparati Regia:

1. Flight-Case - Rack Mount
2. 3 Camcorder Sony HD
3. Mixer Video/Audio 4 ingressi Composito - Y/C
4. Ki Monitor 2 x 7"
5. Kit Monitor 4 x 4"
6. Video Recorder 3 in 1 - MiniDV, DVD e HD 40 GB

Globecaster Mixer Video/Audio Digitale con Effetti e Grafica 2D/3D



GlobeCaster is the digital convergence of all of this functionality into one versatile video production device. GlobeCaster performs all of the tasks that traditionally require several pieces of expensive production equipment.

One piece of equipment is a multi-format digital video production switcher with a fully integrated premium quality character generator, a powerful animation creation workstation, a dual channel digital video effects processor, a hybrid linear/non-linear real time video editor, and a real time direct to network streaming solution. GlobeCaster is feature rich at a fraction of the investment.

For many professional broadcasters, GlobeCaster is reducing the cost of video production while maintaining the production quality. Not only is GlobeCaster significantly less capital investment, the ongoing operating costs are lower as well. Fewer operators, fewer points of failure, less space required and simpler equipment management spell less monthly spending.

TMP-VM200C - Studio/Direction



HIGHLIGHTS

- Trackless Virtual Studio System.
- Multiple Virtual Camera Display & Switching
- Advance Chroma Keying
- Real Time Hardware based 3D Rendering
- Text Crawl and Bitmap Graphics Overlay
- User friendly GUI for easy operation
- Live output recording facility in Mpeg2 or AVI format
- Motion Designer software for Virtual Sets (Optional)
- Built-in Live Streaming (Optional)
- Automation for Media Switching & Playback (Optional)
- An affordable Virtual Studio solution

TMP-VM200C is a trackless Virtual Set Solution with a simple set-up and an intuitive user interface making it a very powerful tool in the hands of operators.

The simplicity of TMP-VM200C system belies its power to deliver sparkling and sophisticated On Air presentations, may it be News, Talk Shows, Game Shows and a myriad of other application possibilities.

TMP-VM200C allows you to perform Virtual Tilts, Pans and Zooms from a static camera in perfect sync with the 3D virtual set. You can create the illusion of multiple cameras with one stationary camera by coordinating multiple angles, such as wide, medium and close-up views - whether you're shooting head-and-shoulder or fullbody shots.

3D sets are an integral part of the TMP-VM200C. Thanks to its powerful hardware engine, TMP-VM200C is able to render complex 3D scenes in Real Time delivering astonishing photo realistic results.

RADIO MICROPHONES

TMP-Live - A New Era In Broadcasting



PDA or PC with TMP-Live software replaces conventional broadcasting equipment

- All in one multimedia solution
- Record, edit and publish audio recordings, wirelessly
- Go live on air in studio quality
- Available on Windows Mobile PDA or PC
- Webcast publications
- Add pictures, videos and external files
- Bring down broadcasting costs
- Increase the amount of material which makes it to air
- Increase the amount of live reports
- Realise User Generated Content
- Innovative Cross Media Software

TMP-Live software transforms your PDA or Smartphone into a high quality mpeg-recorder and mobile IP-codec or software IP-codec for PC. Reporters only need one device to record audio, go live, edit, add pictures or videos and send to the studio - wirelessly! On top of that it's quick and easy to use. Whether you're a radio- or web-journalist, TMP-Live is the perfect way to ensure you're first with the news, no matter where you are.

APS 25b Battery Powered Speaker



The new APS 25b battery powered speaker is designed to be as versatile as possible: wireless or wired, expandable, wall or stand-mounted, and built for absolute reliability-so you could cover the broadest spectrum of audio installations.

Incorporating a 20 watt amplifier, the APS25b is a rugged, 2-way speaker with a 5.25" shielded woofer and a 1" wide-dispersion tweeter that produces clear detailed sound for all corporate, educational and commercial applications.

Only the APS25b offers you the ability to include UHF, VHF or Infrared wireless microphone modules. And, you can use either one or two modules, initially or later on. You can order the speaker in any number of configurations and add it in the future. With 30 VHF frequency modules, 63 channel user-selectable UHF modules or Infrared wireless, you can have multiple systems in one venue without interference.

Technical Specs:

Rated Power: 20 Watts continuous

Frequency Response: 65Hz – 18kHz Max SPL @ Rated Output: 101db @ 1 meter

Woofer: 5.25" (133.35mm) high efficiency - magnetically shielded

Tweeter: 1" (25mm) dome

Crossover: 1st order passive @ 8kHz

Tone Control: -6dB/octave sliding low pass (3kHz to 8kHz)

Wireless Inputs: 2 user-installable receivers

VHF (169-213MHz) – 30 fixed frequencies

UHF (794-806MHz) – 63 user-selectable frequencies

Infrared – 2 fixed frequencies

Wired Inputs/Output:

Mic: -81dBv (0.089mVRMS) for 1 watt, 100K balanced, 1/4" phone jack, variable

10BT UHF Wireless Bodypack Transmitter



The new 10BT body-pack transmitter is supplied with an EX-503 omni-directional lapel microphone and a metal belt-clip. In addition to the 3.5mm mic input jack the transmitter has a Power On switch with an associated LED a separate Standby switch for audio muting and a set of channel selector switches. It also runs better than 8 hours on a single 9V battery.

Technical Specs:

Frequency Range: UHF 63-Channel Selectable (793.750 - 805.875MHz)

Oscillator: PLL Synthesized

RF Power: 10mW

Frequency Response: 50Hz -15kHz

Max Deviation: ± 75 kHz @ 1kHz Modulation, MIC Input -11dBm

S/N Ratio: >70dB "A" Weighted

Audio Distortion: <1% @ 1kHz

MIC Sensitivity: ± 40 kHz @ -22dBm MIC Input (0dBm .775V)

Operating Temp: 0°C-50°C (32°F-122°F)

MIC Input Connector: 3.5mm Mini Jack

Power Requirement: 1- 9V Alkaline Battery

Battery Life: 6 - 8 Hours w/Alkaline Battery

Dimensions: 62W x 100H x 22D mm (2.44W x 3.94H x 0.87D inches)

10HT UHF Wireless Microphone/Transmitter



Weight Approx: 120g Including Battery (4.23oz)

A new UHF handheld microphone - the 10HT is designed to work seamlessly with the oncamera 100UPR receiver. The new mic features special surface coating to reduce handling noise. Using an electret-condenser unidirectional element, the 10HT is designed with low-noise PLL circuitry to allow the user to select any one of 63 UHF channels to assure interference free reception in the 794-806MHz range.

The new microphone uses two commonly available alkaline "AA" batteries to operate for better than 8 hours. The 10HT is 230mm (9") long and 44mm (1.73") in diameter.

Technical Specs:

Frequency Range: UHF 63 channel selectable (793.750 - 805.875MHz)

Oscillator: PLL synthesized

RF Power: 10mW

Frequency Response: 50Hz - 12kHz

Max. Deviation: +/- 75kHz @ 1kHz modulation, Mic input - 11dBm

S/N Ratio: better than 70dB "A" weighted

Audio Distortion: less than 1% @ 1kHz

Mic Element: ECM

Mic Sensitivity: +/- 5kHz @ -46dBm (0dBm +0.775V)

Operating Temp.: 0 - 50 C (32 - 122 F)

Power Requirement: 2 "AA" Alkaline batteries (2x 1.5VDC)

Battery Life: 8-10 hours w/Alkaline batteries

Dimensions: 230H x 44 mm (9.05 x 1.73")

Weight: approx. 130g w/batteries (4.58 oz)

SGM-2X Shotgun Microphone



The SGM-2X Professional Shotgun Microphone System is designed for both the Pro-Sound and Broadcast markets. The microphone comes with two barrels making it either an omni (8.11" long) or, by adding the extension barrel, a supercardioid (15.75" long). Either configuration provides a sensitive, low-noise, wide bandwidth signal through its' balanced, low-impedanced XLR output. The SGM-2X comes complete with a unique, integrated shock-mount with both camera shoe-mount and mic stand-mount and two foam windscreens. The microphone is powered by a single "AAA" battery (not included), which lasts more than 250 hours.

Technical Specs:

Frequency Response: 40-20,000Hz

Low-Cut Roll-Off: 6dB/Octave @ 200Hz

Sensitivity: Super Cardioid -39dB re 1V/Pa

Sensitivity: Omni-directional -45dB re 1V/Pa

Impedance: 680 Ohms @ 1KHz

Max. SPL Input Level: 110dB

Signal to Noise Ratio: 70dB

Dynamic Range: 85dB

Battery Type: AAA (1.5V) - use alkaline battery

Battery Current: 0.2Ma

AUDIO FOR VIDEOBROADCAST

TMP-RF - The world's only in-ear RF receiver



The *TMP-RF* really is practically invisible, since it's worn inside the ear and disappears into the ear canal. Its ergonomic shape ensures not only greater comfort but also a more natural listening experience.

So you can wear the *TMP-RF* for long periods and — more importantly — without anyone noticing. In this way, mistakes are avoided, money and time saved, confidence enhanced; creativity stimulated; and the gains in efficiency come with no aesthetic price tag.

The *TMP-RF* is reprogrammable. That offers you security for the future, flexibility, many years of service and the ability to extend existing systems step by step.

The invisibility programming set comprises the IPU itself, software (Win) and a USB cable. With them, you can program your *TMP-RF* and your *TMP-RF* remote control quickly, simply and intuitively.

Depending upon the model, you can read and edit frequencies, volumes, names, serial numbers or comments.

All *TMP-RF* units are supplied with a softbox, zinc-air batteries and wax guards. Sprays and cleaning tools are available for purposes of hygiene. A wireless remote control — itself easy to hide and (naturally) free from wires — can be used to switch between channels on the *TMP-RF 4* or scan automatically for the current frequency. All products provide feedback whenever needed on the state of the batteries. Just switch on, insert, wear and forget - for up to 13 hours of continuous use.

Wireless intercom



Complete two person system includes:

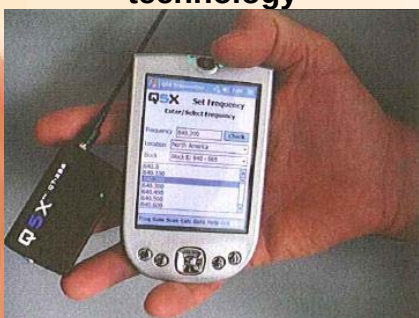
- 2 TD 900 Beltpack radios
- 2 Eclipse headsets
- Rechargeable Batteries/Wall Chargers
- Padded Case

The TD 900 is a full duplex wireless designed for personnel that need to communicate and work with their hands at the same time. The System features a totally duplex design that provides a continuous open line of communication between two people. The TD 900 is not voice activated and there are no buttons to push. The radios send and receive signals concurrently utilizing different radio frequencies and this allows users to talk simultaneously exactly like on a telephone or other wired intercom.

A full line of lightweight and heavy duty headset styles are available for use with TD 900 transceivers. This flexibility allows the system to be customized for use in a multitude of demanding industrial applications.

QT-256R

New wireless microphone technology



The new Q5X™ remote wireless microphone system raises the bar to a new industry standard; smaller, lighter, longer battery life and totally waterproof, while still offering the ruggedness, durability and dependability that have made Q5X™ the de facto standard for on-field, broadcast-quality microphones in the NBA, NHL and MLB.

Features:

- Full wireless transmitter control & identification
- Intermod calculator for international locations
- On/Off, sleep, low battery indication
- Full gain control
- Remote frequency and block selections
- Frequency scanner/analyzer of optimum selection
- Addressable data base by venue and device
- Tech support with help files

Specifications:

- Size: QT-256R- 56mm x 33.5mm x 13.5mm
- Weight: QT-256R-1.5 oz.
- Size: QT-2000R - 9.4mm x 111 mm x 40.7mm
- Weight: QT-2000R -1.5 oz with lavalier
- Battery: Rechargeable lithium, battery life: 8-12 hrs.
- Frequency Selectable: 665.000MHz - 865.000MHz
- Power Output: 50mW - 250mW
- Spurious Emission: <- 40 dBc
- Number of Frequencies: 256 programmable
- Pre-emphasis: 50 us
- Noise reduction: Proprietary QT Companding
- Frequency Response 20Hz -20,000Hz
- Frequency Control: Microprocessor Controlled PLL
- Peak Deviation: +- 45KHz
- FCC & CE & IC Approved
- RoHS Compliant

INTERCOM

Simultak 24G - Multi station team communication system



For 3 or more users:

The Simultak 24G is a multi station team communication system. Each intercom provides the director hands free voice contact with an unlimited number of remote stations. All remote a monitor the director, and when called upon, can switch from standby (listen only) to continuous talk operation.

1. Charge batteries overnight as noted in user's manual
2. Identify Master radio, and turn it on,
3. Set Master radio to transmit by pressing the talk button once, and confirm amber LED light.
4. Turn on Remote radios, LED light should be RED, indicating standby mode.
5. Any Remote user may switch to transmit by pressing the talk button. Light will turn Amber.
6. Remote users should switch from transmit back to standby mode after conversation is complete. This allows another Remote user to switch to transmit mode.

Note: Only one Remote user may be in transmit mode at any one time. Remote users do not hear each other - they hear only the Master.

FMX-32 3-Channel Field Mixer



A portable 3-channel field mixer with phantom power, the FMX-32 is designed for use by the professional videographer. The small (1.96 x 6.69 x 4.33 inches), all metal, battery operated (6-"AA") mixer can be attached directly to the camera with supplied hook-and-loop mounting tape. The FMX-32 has the following features: enhanced circuitry for improved signal-to-noise ratio, 5-step LED array for easy signal monitoring, a 12V DC input for external power, switchable input limiter to reduce the possibility of overload distortion, channel-addressable outputs and a 1/4" monitor headphone jack with level control.

It also has: 3 balanced XLR mic inputs each with switchable phantom power, 2 channel addressable balanced XLR line-level outputs with level controls, a stereo mini-jack (3.5mm) output, and a POWER On/Off/Low Battery LED indicator.

ACQUISITION CARDS FOR LIGHTING SYSTEMS

2K|Iridium XP BlueFish



2K Film, High & Standard Definition

Designed for digital artists, colorists and professional solutions requiring HD/SD or 2K output only for the highest quality in broadcast monitoring and Digital Cinema.

Stream Video Cards



GENLOCK VIDEO CARDS

Alpha and Wind series cards for graphics and titles output and overlay work in real time by pass-time in GENLOCK mode inserting the graphic information into passthrough video signal. The pass-through signal, despite everything, does not change, it is not decoded, not filtered and not compressed.

These cards are destined to be the basis for on-air character generation and graphic design systems and playout servers.

- Computer graphics overlay cards' development and manufacturing is the senior business line.
- 1992 - First overlay card on ISA bus with external VGA controller.
- 1995 - Overlay card on PCI bus.
- 1997 - Overlay card working with pass-through SDI signal.
- 2006 - Design and production start of overlay and surveillance cards on PCI Express bus.

WHY STREAM VIDEO CARDS

Complete with the suitable software our cards can perform a wide spectrum of tasks as a part of the television system working on editing and on the air:

- TV-program titling while editing or on the air, manually or in automatic mode;
- TV-channel / program static or dynamic logo display;
- Automated time or temperature display;
- Telephone voting results broadcast;
- Any kind of analog or digital clocks generation and display;
- Informational and graphic design of interactive talk-shows, news and sports reports;
- Scheduled output of advertisement and informational blocks;
- Text and graphic information display in form of crawl and roll;
- Animation files and video clips (in 4:4:4, 4:2:2, DV Type II and AVI formats) playback;
- Teletext and subtitles insert.

Darim V-Tizer - Professional Cards for multi-format capture, streaming and IPTV applications



The VT series is a line of affordable professional cards for multiformat capture, streaming and IPTV applications. To realize 24/7 broadcasting Darim Vision empowers you with VT boards to make scheduling, multilayer titling and logo insertion while continuously playing out and switching live/recorded video. Just plug the VT board in your PC and realize professional broadcasting immediately! The minimum software package includes OS-specific hardware drivers and configuration/preview utility. VT series boards are compatible with any existing video capture/editing software supporting Direct Show or Video for Windows standard capture and codec drivers.

The **V-Tizer** application is the basic software bundled with all capture cards of VT series which provides a convenient and intuitive way to record and stream multimedia files into Windows Media 9 format. The latest V-Tizer software version is always available at Darim Vision ftp site.

Use the **Advanced multi-format capture (VTCapture)** application to capture audio and video data using DV, DVCPRO, M-JPEG, I-frame MPEG2 codec into .AVI file or several .AVI files. Later these files can easily be modified using various real time editing engines for broadcast and video professional markets (Matrox, Canopus, Pinnacle). It also provides scheduled capture and recording capability.

SD Capture Cards PCI32



SD Capture Solutions with Serious Bite

- SD-Greed
- SD-Single Link Pro

With credentials proven at the top end of the market, and now more affordable than ever, these multi-platform, multi-application solutions are still the staple tool for anyone serious about Digital Post or Broadcast Graphics.

With an impressive level of flexibility and features unparalleled in other cards. And the great news is, that even on a tight budget your editor or digital artist can still afford the highest quality in standard definition video demanded of the industry.

The Editor's Choice - Real Time Effects

Supporting the full complement of the Adobe Premiere Pro and Apple Final Cut Pro real time effects engine, the professional editor can get on with their job and make the most of their time. The result is a more dynamic experience, delivering less interruptions with greater real time productivity allowing the editor to do what they do best. Create!

Whether it's Mac or PC, you'll enjoy an overall efficiency increase with the ability to choose to work in either online or offline mode allowing the incorporation of a lower cost storage system.

Monitor audio in full 5.1 Surround Sound. Multiple file format support (AVI, QT, DPX, TGA etc) and multiple analog/digital video monitoring options again allows true flexibility to handle just about any professional or consumer equipment thrown your way. Integration and collaboration with other editors and their workflow environments has never been easier.

SD Capture Cards PCIe



SD Capture Solutions with Serious Bite

- SD-Fidelity
- SD-Focus
- SD-Prime

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Epoch - Video Cards



Every so often, the application of advanced technology, modern industrial design and manufacturing processes yields a break-through that delivers real advantages over its predecessors. Introducing EPOCH.

Broadcast Engineering Redefined

Let's face it, 'broadcast quality' 10 years ago is much like comparing VHS is to Blu-ray today! Everyone's quick to spruik their product as being 'broadcast quality' but with the advent of 3G-SDI, 12bit video processing and Stereoscopic 3D capability, the new Epoch truly delivers what others just talk about. The quality & flexibility of our scalers is unsurpassed!

Epoch's 4 lane PCI-e cards have a maximum bandwidth of 1.1GB/s delivering full duplex DMA. Add to that the precision of our hardware based Color Space Conversion, 2K video resolution and our proprietary RapidFlow+MR2 technology, it's no wonder we're the Professionals' Choice!

Extreme Reliability

1000's of customers attest to using our products in 'mission critical' environments such as digital intermediary post and live broadcast where they're running 24/7. Our engineering, know how and products are backed by a three year warranty.

Flexibility of our hardware

From MR2's routing architecture, to RapidFlow's agnostic scaling and cross conversion options, our hardware upgrade path and the power to choose is yours for the taking. It's a whole new ball game. A new Epoch if you will.

Create HD, 2K, 2K-Ultra Video Cards



Create is the new blockbuster in affordable, stable, high-quality, professional card solutions!

True film and broadcast quality at an affordable price!

Create caters perfectly for the specific needs of modern video and graphics artists in Post Production and Broadcast Graphics. Small or Large! Whether you're in Editing/Compositing/Animation, Film & Drama Production, Corporate Event Videography or custom development, creating at the highest quality is within reach of every professional!

Absolutely No Compromise

Create enjoys the pedigree of a proven track record delivering absolutely 'No Compromise' professional results. Engineered using the highest quality components, it delivers it's superior quality through the power of hardware based parallel processing. Create boasts perfect signal processing, delivering pristine image quality in 2K, HD & SD resolutions. Extreme reliability in mission critical environments makes Create the Professionals' Choice.

Features 3G-SDI, a 12 bit video processing pipeline, pristine hardware based scaling, DVI/HDMI output with 3 x 1D LUTs for 2K Preview and uncompressed 2K dual link.

SLOW MOTION REPLAY

Specialized Replay Servers: FDSR2000 - FDSR2020 - Instant Slow Motion Replay Server



For broadcast quality slow motion playback it is necessary to have more than 30 fps of video. Otherwise, playback appears jerky and distorted. This is why a professional slow motion replay server is needed. It is not enough to simply insert the same image between frames. The FDSR2000 Slow Motion Replay Server interpolates the video between frames with an intelligent algorithm to create broadcast quality slow motion playback.

The FDSR2000 can simultaneously record up to 4 unsynchronized camera inputs and store the compressed video in large memory cache and on internal hard disk drives. FDSR2000 server utilizes several kinds of very intuitive easy-to-use controls optimized for instant access to the event (goal, foul, accident). All on screen controls are re-sizable which is best for touch-screen LCD panels.

Applications:

- Advanced recording and playback of various sport games
- Instant slow motion replay of fast paced live events
- Analysis of strategy, technique, player style and important moments during training session or game.

Highlights:

- Up to 4 live channel recording and slow motion replay
- Simultaneous recording, marking, random access, playback
- Broadcast quality slow/fast motion with adjustable speed between 5% and 200%

	• Easy-to-use intuitive controls minimize human errors • Instant switching between live feeds (playback angles) • Interface with other equipments using GPI and RS232 • Ability to replay the highlights after the game																																						
HIGH PERFORMANCE DIGITAL VIDEO RECORDING SYSTEMS SLOW MOTION 	Sirocco captures digital imaging data at the highest possible rates and makes it available both as a real time HD (or SD) Broadcast Feed and as Non Linear Storage on Removable/Replaceable Mag-Carts™. Mag-Carts™ can be read by any other editing or analysis system using industry standard protocols. In fact, Sirocco is more than a high performance camera system; it is a high speed digital imaging suite, comprising remote camera interface (ICON), memory management (Sirocco) and Storage (Mag-Cart™). Based on SuperComputer hardware, Sirocco's image resolution is limited only by the characteristics of the imaging sensors that are available. As the capability of the imaging chips increases, so to does Sirocco resolution. Sirocco's architecture is designed to prevent bandwidth from ever being a bottleneck through use of a proprietary switch on its data buses, so that digital information can be moved at more than 4GBytes a second. In plain English, traditional bus systems function like single lane freeways; fine when you've got one car (data byte), but prone to traffic jams when too many vehicles (data bytes) are trying to use the same road. Key Features: • Various Storage Capacities - Universal Interface • 250GB; 500GB; 750GB; 1TB; 1.5TB; 3TB; 6TB; 12TB • Easy Transport from Range to Analytical Work Stations • No Download Time Wasted • Operates With Range Network Transport • Real Time Analysis Option • Duplicate Dataset • Accelerated Analysis - Multiple Workstations • Archive Media																																						
STEADYCAM AND IMAGE STABILIZERS TMP-CRANE Junior 	<table> <tr> <td>Boom length:</td><td>8'</td></tr> <tr> <td>Boom sections:</td><td>Two 4' sections</td></tr> <tr> <td>Construction:</td><td>Steel</td></tr> <tr> <td>Finish:</td><td>Textured, baked on, powder coating</td></tr> <tr> <td>Color:</td><td>Matte Black</td></tr> <tr> <td>Movements:</td><td>One Cable on ball bearings</td></tr> <tr> <td>Turnbuckles:</td><td>1</td></tr> <tr> <td>Trim weight:</td><td>1lbs. External</td></tr> <tr> <td>Mounting system:</td><td>Ball bearing Vector head, mounts to standard tripod</td></tr> <tr> <td>Mounting size:</td><td>3/8"x16 stud</td></tr> <tr> <td>Maximum boom elevation:</td><td>11'-12'</td></tr> <tr> <td>Tripod recommended:</td><td>Bogen 3051 or 3061</td></tr> <tr> <td>Ground level shots:</td><td>Yes</td></tr> <tr> <td>Maximum camera weight:</td><td>8 lbs.</td></tr> <tr> <td>Recommended</td><td>Monitor mount, wired remote</td></tr> <tr> <td>Optional Items:</td><td>controller, counter weights, tripod</td></tr> <tr> <td>Accessories:</td><td>LCD monitor mount Drive lever counterweight bar, XL-1 Adapter Plate , Adjustable sliding camera mount Velcro Jib Wraps (each).</td></tr> <tr> <td>Weight: (no camera)</td><td>18 lbs.</td></tr> <tr> <td>Shipping weight:</td><td>22 lbs.</td></tr> </table>	Boom length:	8'	Boom sections:	Two 4' sections	Construction:	Steel	Finish:	Textured, baked on, powder coating	Color:	Matte Black	Movements:	One Cable on ball bearings	Turnbuckles:	1	Trim weight:	1lbs. External	Mounting system:	Ball bearing Vector head, mounts to standard tripod	Mounting size:	3/8"x16 stud	Maximum boom elevation:	11'-12'	Tripod recommended:	Bogen 3051 or 3061	Ground level shots:	Yes	Maximum camera weight:	8 lbs.	Recommended	Monitor mount, wired remote	Optional Items:	controller, counter weights, tripod	Accessories:	LCD monitor mount Drive lever counterweight bar, XL-1 Adapter Plate , Adjustable sliding camera mount Velcro Jib Wraps (each).	Weight: (no camera)	18 lbs.	Shipping weight:	22 lbs.
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Running Rig

Steadycam for videocameras from 6.8 Kg to 11.5 Kg (5.6" Colour LCD monitor included)



Questo steadycam è progettato per le videocamere dockable con peso da 2,7 a 11,5 Kg.

La base di ancoraggio per la videocamera è stata ampliata per permettere un'esatta registrazione del sistema, senza procedure di bloccaggio complicate. Due manopole facilmente accessibili permettono la regolazione fine.

Il giunto cardanico è di precisione e garantisce una precisa intersezione su tutte e tre gli assi, i 6 cuscinetti di precisione forniscono fluidità ai movimenti. Il Running rig è costituito da un doppio braccio da 32 pollici fornito di frizione libera e di cuscinetti interni per tutti i giunti con registrazione e pesa soltanto 3,6 Kg.

Il monitor a colori LCD 5.9" TFT è di tipo professionale, ed è incluso in questo sistema.

Completa il Sistema: Il Running Rig è dotato di una borsa nera con rotelle per il trasporto che contiene le parti seguenti: manico imbottito, doppio braccio articolato, slitta, video a colori 5,9", il cavo video, chiave, piastra a coda di rondine, manuale d'istruzione e una scheda garanzia di 6 mesi.

SteadyStick



The STEADYSTICK® is a purely mechanical, multifunctional camera stabilization system developed for:

- all DV-cameras with an external monitor
- all photo cameras with heavy telephoto lenses

The System imitates the use of heavy equipment like

- sophisticated balancing systems
- static cranes and rails
- monopods

Technical Data

- net weight - 950 g
- load capacity (max) - 8.000 g
- lenght (max) - 80 cm
- lenght (min) - 32 cm

Freehand-Mode:

- objective height (max) - 250 cm
- objective height (min) - 35 cm
- objective height
- worm's-eye view (upside down 180 degree) - 10 cm
- rotation horizontal - 360°
- rotation vertical - 180°
- hade - 180°

Static-Mode:

- objective height (max) - 190 cm
- objective height (min) - ground level
- rotation horizontal - 90°
- rotation vertical - 90°
- hade - 45°

TMP-K2 Dolly Track



TMP-K2 dolly combines an innovate technology with elegant and discreet design, though subordinated to the cameraman via robotization of all functions.

SRD: Remote Diagnostic System (Through GSM or conventional telephone).

MOTION CONTROL: repetition of programed movements (pan, tilt and track. precision).

SIZES:

- Spaces between tracks: 360 mm (14.1")
- Length: 927 mm (364,4")
- Width: 470 mm (18.5")
- Height to optical axis: from 750 mm (29.5") to 1560 mm (61.4 ")
- Weight with the zero column: 40 kg aprox. (without camera).

Manual Rigs and Control Units



Handy, Simple & Economic Stereoscopic Side by Side Rig

- Designed for Broadcast & Cinema Production.
- Easy & Fast Stereoscopic Calibration for Shots without Dynamic Converging needs.
- For 2/3" Sensor & Micro Cameras. Angular Converging Resolution by Manual Screw.
- Twisting Camera Bases for quick changes and adjustments.
- Modular Design, for Compatibility with the Robotic & Over-Under Stereoscopic Rigs
- An easy solution for Steady & Crane Side By Side Shots from 2 to 5 meters MOD approx.
- Interocular Distances: 76 - 150 mm. (30mm with special plates for microcameras).
- Left & Right Stereoscopic Camera Bases Not Included

Robotic Rigs SIP Conic Base



Ultra High Resolution Stereoscopic Side by Side Rig

- Designed for Broadcast Production.
- 6 Axis Robotic System for Lenses, Separation & Convergence.
- Up to 20 kg weight per Camera. Angular Converging Resolution of 10-6 degrees.
- Touch Screen Display to Control all the Stereoscopic Parameters.
- Internal Remote Control for Canon lenses Full Servo.
- Remote Control Performances with Ethernet, for Live Events & Studio Configurations.
- Twisting Camera Bases for quick changes and adjustments.
- Remote Units for Focus, Zoom, Parallax and Vertical Disparities Available.
- Modular Design, for Compatibility with Our Manual & Over-Under Stereoscopic Rigs.
- Interocular distances: 76 - 300 mm, with no limitations for compact lenses.
- Lenses correction done by Rig.
- Possibility of obtaining Metadata via Ethernet.
- Stereoscopic Camera Bases Not Included.

TALLY & DISPLAY

System Signal Source/Volume Display (Tally)



TALLY usually uses for showing signal source of TV wall and auto indicates program state of current signal. It is possible to receive tally controlling signal and show different signal state with different colors by connecting with switcher, controlling platform and matrix.

Main Characters:

- Applies up-to-date programmable logical controlling circuit and super high brightness ED/STN display
- Intelligentizedly designed and auto-controlled.
- High brightness.
- Small volume
- Easy operated
- Long usage life
- Be able to connect with any analog/digital switcher.

HD RECORDING CAMERAS

RubiCam HD



The RubiCam is a very small HD/SD Camera with a separate head and CCU. The Camera has a single 1/3" CMOS sensor which produces approximately 2M pixels. The Camera head and the CCU can be connected together by a 10X metre, 20X metre or 30X metre camera cable (6mm) as used by Toshiba Cameras, equally the Toshiba AC adaptor can also be used to power the CCU. The RubiCam camera produces a 16:9 HD picture of 1080i lines or 720p and camera output of component Y/Pb/Pr and HD-SDI. It can also be switched to SD with a 4:3 aspect ratio picture and output SDI, Y/C and VBS. Additionally the CCU has a Full Duplex Mode Fibre Port which can distribute HD-SDI with embedded Audio. Therefore, for remote control camera work it is possible to send Audio/Data down the line together with the picture and then receive return video and talkback if required, this can be achieved by a SMPTE Hybrid Optical Cable interface. The Camera is a 12 Volt DC system and power consumption is approximately 20 Watts. The RubiCam is a very small camera and the head measures approximately 2"x2"x3" (5X5X8cms) and weighs approximately 3/4 lb (400gms). The RCP is linked to the CCU by RS232 cable with a baud rate of 38,400 and can be operated at a considerable distance away from the OB truck or Vision Control area. The RCP has been designed to work in an OCP position in a scanner or vision control area for studios. Additionally the RCP can be physically coupled to a miniature Pan & Tilt head to give a complete remote control facility. (Optional Extra) The RubiCam HD/SD Camera is recommended for Studio, Outside Broadcast or indeed any Mobile Television production work.

TMP HD Cam true high definition



The TMP HD CAM utilizes a next-generation 2/3-inch CMOS chip to deliver full 1080p and 720p resolution at 24p/25p/30p. Using the TMP HD CAM's interlaced mode (1080i/720i) frame rates up to 60/120fps are possible. The TMP HD CAM provides lightweight compact size, modular design and uncompromising HDTV performance for a wide range of applications including digital cinematography and broadcast television.

- Mini true HDTV all-in-one camera, no external control unit
- 2/3" single chip CMOS sensor, onboard image processing
- Fits PL-Cine, Nikon, C-mount and B4 mount lenses
- Progressive and interlaced modes
- Robust, extremely small, compact

Specifications

Image Sensor

2/3" singlechip 1920 x 1080

Lens mount

PL Cine or Nikon or C-mount B4 DIGI PRIMES and ZOOM

Frame rate

1080p @ 23.98, 24, 25, 29.97, 30 1080i @ 50, 59.94, 60 720p/720i, Broadcast SD PAL/NTSC variable frame rate scanning

Camera Setup

10/100 Mbits Ethernet via Webbrowser

Output

Video for viewfinder, data bus for lens control

Video output

HDSDI/SDI (4:2:2) 10 Bit, optional 4:4:4 dual HDSDI

Power

12 VDC (24,48 optional), 4,0 Watts

Weight

ca. 550 grammes incl. C-mount

Dimensions

130 mm * 66mm * 66 mm
5,12" * 2,60" * 2,60"

CHARACTER GENERATORS

IMAGE ENGINE LOGO / BUG INSERTER



Image Engine is a cost-effective stand alone logo/graphic inserter that can be configured for a wide range of applications, producing the highest quality results in analogue and SDI digital formats.

- Stores and displays still and AVI animated bugs and logos. Bugs can be recalled and displayed via GPI or Windows software control
- Full 32-bit linear external or downstream keyer with separate 8-bit key file or automatic key generation
- Separate slate/text insertion support. Text can be positioned, cued and displayed separately from graphics
- All analogue and SDI 601 video formats are supported. Separate composite monitor channel for live positioning
- Embedded audio support in SDI 601 with 10-bit path
- Optional power fail bypass facility with equipment failure warning
- Full PC/USB remote control for download, positioning and cueing of graphics and slate text.

VisualCG 3D Real Time HDTV Character Generator



VisualCG 3D is the most advanced and powerful on-air graphic application adopting the latest video technologies which incorporates with OpenGL / DirectX to provide the complete freedom to create 3D titling / motion graphics for professional broadcasts.

VisualCG 3D is designed for HD and SD broadcast facilities and it provides real-time 3D transition effects such as page-curls, particles and distortions. VisualCG 3D is powered by the Matrox XMIO, AJA Video Xena LH and QuadroFX 4000 SDI platforms as it is the most powerful and scalable video hardware available in the market.

Real-time true 3D texts and shapes

With VisualCG 3D HD, your texts and shapes are easily customized into the eye-catching 3D animations in the shortest possible time. It only takes a couple of clicks to access many convenient features such as 3D titling, motion graphics and video clip playback.

Real-time full screen HD AVI playback

VisualCG 3D HD outputs AVI files in full resolution of true HD 1920 x 1080 with its realtime operation.

Real-time keyframeable motion graphics

VisualCG 3D provides customizable keyframe motion effects with its real-time operation.

This breakthrough software enables broadcasters to create multi-layered animations consist of texts and shapes easily.

Real-time full screen HD AVI playback with motion graphics

VisualCG 3D HD outputs AVI files in full resolution of true HD 1920 x 1080 and playbacks 2D / 3D motion graphics simultaneously at the same time with its real time operation.

Character Generator Multichannel



CG Multichannel offers a powerful tool for the character generator needed in a TV channel or production companies

- Exelent Perfomance for live work
- The flexibility ofCGMultichannel allows to do multiple tasks
- Titles and subtitles in real time
- Endless layers with independent speed and fade in/out control for each one.
- Insertion of multiple animated logos in 3D with independent control.
- Insertion of time , temperature and humidity
- Sports chronometers on screen
- Multiple simultaneous rolls and crawls with independent speed
- SMSmessage reception and crawls on screen
- Analogue and Digital clocks
- Insertion of multiple videos with alpha channels , specially for lower third in sports events
- Project content in one file
- More than 200 predefined templates for its immediate use
- It supports TGA, TIF , GIF ,PNG,BMP,EMF, JPG , PCX, etc

Input Outputs Formats

Video Inputs:

- NTSC, PAL or SECAM software selectable
- NTSC: 720x480 or 352x480 at 29.97 fps
- PAL/SECAM: 720x576 or 352x576 at 25 fps
- Internal Video Processing: YUV 4:2:2 or YUV



- 4:2:2:4, 8 bit
- Composite (BNC): up to 3
- S-Video (BNC): up to 2
- Component RGB (3x BNC): with Int. or Ext. sync
- Component YUV (3x BNC): with Int. or Ext. sync
- SDI (BNC): SMPTE 259M-C, 270 Mbps – optional

Video Outputs:

- Composite (BNC)
- S-Video (BNC)
- Component RGB (3x BNC): with Int. or Ext. sync
- Component YUV (3x BNC): with Int. or Ext. sync
- SDI (BNC): SMPTE 259M-C, 270 Mbps – optional

LIVE VSAT TRANSMISSION WITH AUTOHEADING ANTENNAS

1Way and 2Way in motion satellite antennas for vehicles



Most mobile satellite antennas on the market today have been simply adapted from fixed parabolic antennas and mounted on a vehicle platform. Their bulky design and obsolete technology do not adapt well to in-motion satellite communication.

By completely re-conceptualizing the design of the satellite antenna and developing motionconductive technology, this is a low-profile satellite antenna that provides automatic and autonomous operation while the vehicle is in motion.

Small size and sleek design to meet in-motion demands

- Light-weight and compact form factor for easy installation on any vehicle type
- Low-profile design for aerodynamics, mobility, agility, stability, discreetness and aerodynamics

- Phased-array technology for a sleek shape

Automated satellite acquisition and tracking for on-the-move communication

- High-speed satellite tracking for continuous communication
- A fast and fully-automated re-acquisition for dependable communication
- Automatic and autonomous system to support in-motion operation

Independence from vulnerable and expensive terrestrial infrastructure

- Globally implementation using the existing Ku band satellite network
- Immediate deployment at new locations
- Wide-spread coverage areas

Reliable and dependable communication

- Supports in-motion 1-way and 2-way communication of video, data and voice
- Field-proven technology

Multi-Service VSAT



Benefits

- High performance, multi-service broadband IP & telephony VSAT
- Mesh, star and multi-star network topology support for data and telephony
- Modular architecture for telephony, multi port LAN, mesh and multi-media cards
- Embedded support for IP routing functionality and acceleration for TCP, HTTP & VPNs
- QoS support for all traffic, enabling prioritization and fairness

Multi-Service VSAT

The TMP-Edge Pro VSAT is a state of the art, two-way satellite communication solution, with interactive data,

Broadband IP, public & corporate telephony and video running on a single VSAT platform. The TMP-Edge Pro brings you ever-expanding communications capabilities with reliable connectivity and simple operation.

Embedded TCP and HTTP acceleration, embedded VPN, and full mesh support present a versatile VSAT that empowers any business or government by enabling virtually every communications application.

All Outdoor VSAT



Benefits

- A sealed, all weather enclosure operational under a wide-range of external conditions.
- Temperature operating range of -40° to +60° C (-40° to +140° F)
- High reliability with industrial grade components
- Internal thermostatically controlled heater for cold/heat-sink and fans for heat dissipation
- Increased lightning protection
- All external connections are weatherproof

All Outdoor VSAT

The TMP-Edge Armadillo VSAT is a state of the art, all-outdoor VSAT that is a thoroughly manageable and comprehensive communications solution combining industry leading technologies with a hardened case providing all-weather communications in harsh environments.

The VSAT is perfect for utilities, oil & gas, other industries, and even military organizations requiring monitoring of remote infrastructure. SCADA, video surveillance and other applications where all hardware is outside are supported through the exceptionally reliable TMP-Edge Armadillo.

TRANSMISSION VIA ROUTER FOR CELLULARS

TMP-Box X2 Integrated Multiple Connection Cellular Router



The TMP-Box X2 is the first cellular router to establish two cellular Internet connections and utilize both for additional speed. These cellular connections are even maintained in moving vehicles.

The TMP-Box X2's multiple connections provide broader data bandwidths either for large file transfers (as for media companies) or for a greater number of users (such as in buses and mass transport). Redundancy and a larger geographical area are provided by using two disparate carriers.

Enhanced Speed for A Single Application

The TMP-Box X2 will balance outgoing traffic over multiple cellular Internet connections to increase bandwidth. Not all hardware or software will take advantage of both cellular Internet connections. Certain software and hardware will utilize both links for a single stream to essentially double the available bandwidth.

TMP-Box CM3 - Enterprise Cellular Router



EV-DO Rev A or 3.6Mbps HSDPA Wi-Fi 802.11g Remote Management Ruggedized Optional GPS Receiver

- Broadband Speeds While in a Moving Vehicle
- Always-On Reliable Connection
- Supports Multiple Users & Devices Simultaneously
- Remote Management Software
- Easy-to-use web-based interface
- Remote Firmware Upgrades

Technical Specifications

- NAT (Network Address Translation)
- DHCP Server
- Port Forwarding
- IPsec VPN
- Supports VPN Pass-Through
- Dynamic DNS
- Connected Client Listings

Available for CDMA or GSM 3G Networks

TMP-Box X2 Slide - Double Your Mobile Cellular Broadband Connection Speed and Coverage Area.

The TMP-Box X2 Slide is compatible with EVDO Rev.A and 7.2 Mbps HSPA networks. The TMP-Box X2 Slide establishes two separate data connections, each with its own IP address, over the cellular network(s).

When both networks are available, the TMP-Box X2 Slide automatically resumes balancing data over both links. If one carrier is lost due to the coverage area, network outage, disaster, etc., the AirBox X2 Slide sends all traffic over the available link.

A separate data plan, antenna, and signal booster is required for each cellular connection.

Product Features

- Use Your Own Dual 3G Cellular Modems
 - o Dual EV-DO Rev. A, Rev.0



- o Dual 7.2 HSPA
- o Hybrid EVDO & HSPA
- WiFi 802.11b/g Enabled
- Remote Management Capabilities
- Ruggedized Design
- Optional GPS Receiver for Fleet Tracking and Management
- Optional Cellular Signal Boosters for Increased Coverage in Remote Areas

WIRELESS IP TRANSMISSION

IP router SAT



Benefits

- High performance broadband IP VSAT
- Embedded TCP & HTTP acceleration
- Embedded VPN acceleration
- QoS support for all traffic, enabling prioritization and fairness
- Supports wide range of IP applications such as Internet/Intranet, transactional traffic, VoIP, IP multicast, video conferencing

IP Router VSAT

The TMP-Edge IP is a compact design, two-way VSAT enabling interactive Broadband IP and multicasting to one or all of your business locations. With DVB standards and extensive IP capabilities, the VSAT is ideal where extremely fast throughput for multimedia applications, large file delivery and extremely rapid access to the Web are required.

Business Broadband - High-speed, two-way, always-on broadband over the whole of Europe



Satellite technology allows for the rapid expansion of your network to connect individuals and remote offices throughout Europe.

A satellite link connects the user directly to the Internet. The signal can be used to either provide internet access for an individual, a LAN or other business network.

We deliver broadband internet access to the complete spectrum of users, including:

- Individuals and small companies
- Large corporations across Europe
- Public sector and NGOs
- UK and European governments
- European Union
- British and European Space Agencies
- Flexible bandwidth of up to 3Mb downstream (receiving data) and 768Kb upstream (sending data)
- Unlimited downloads
- Seamless integration with existing networks
- Interoperable with Windows Mac and Linux platforms
- Competitive pricing compared to other satellite and broadband services
- Optional expert consultancy to maximise the effectiveness of your data and telecommunications networks

Virtual Network Operator (VNO)



General:

- DVB-S2 most efficient forward technology
- Adaptive Coding
- Low power consumption
- Standard compliant, more robust supply chain
- Modern and efficient use of satellite bandwidth
- Using the latest state-of-the-art DVB-S2, DVB-RCS technology

IP:

- 4 QoS levels, DSCP, 802.11q compliant
- Highest flexibility through volume and rate based bandwidth allocation
- Dynamic bandwidth management using differentiated pools
- QoS mechanisms are standard compliant and highly efficient.
- No less than 4 levels of QoS to classify and prioritise traffic.

VIDEORECORDERS

FIXED VIDEORECORDERS:

Omega HD



The choice of a national sports association, the Omega HD can record either SD or HD video with high-quality JPEG2000 compression up to 100Mb/s. The recorder allows users to simultaneously record, play, and store multiple SD and HD video files and create video clips, loops, and playlists utilizing the simple-touch front panel controls. This makes the Omega HD ideal for many applications including graphics and key fill, station automation, spot insertion and sports/instant replay.

eClips



eClips is a cost-effective and easy-to-use DVR for live broadcast production. In a single compact package, eClips gives broadcasters and cable providers instant, on-the-fly access to video stills/clip stores, animated graphics, and audio clips for enhancing live news, sports, and educational programs.

TMP- 5 Recorder Pro

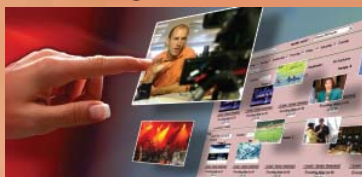


TMP-5 RECORDER PRO allows the user to do multiple actions:

Two channels to record simultaneously. One play channel. Recording and compression in real time of both channels. Integration with other Play Out systems. Multiple SD-HD selectable compression format (DV, MPEG2, MPEG2 I-FRAME, DVCPRO, DVCPRO-50, UNCOMPRESSED, MjPEG, DVCAM, MPEG2 (ISO/IEC 13818-2)(VBR,CBR) up to 80 Mbps, MPEG 2 HD DVD, MPEG 2HDV HD, XDCAM 1080-540. H.264/AVC, MPEG-4, DVCPRO HD Optional VTR control through RS-422 and IEEE 1394. Background time code recording. Video trim. Key assignment for videos to a fast play.

Definition of Metadata to every video file en Header or with databases integration. Graphical visualization of any frame of the video to its better identification. Search frame by frame. Possibility of define multiples clips on a same video. Setting of the sequence of broadcast. Preview on screen. Slow Motion Play. Audio level adjusts. USB remote control.

TMP VIDEO RECORDER 16 CANALI



Video Recorder is the new module of video recording. It is created for acquiring and encoding Mpeg1/Mpeg2 videos from tapes. Thanks to the functions for reading, stop, fast forward, back forward, etc..., the **Video Recorder** module controls the video tape recorder and launches the procedure of acquiring and encoding. This solution allows the TV channels and others media managers to have large stocks of archives on tapes, and to evolve towards secured digital storage without loss.

Operation

Video Recorder uses the protocol RS-422 and RS-232 to control externally the video tape recorder and allows users to connect a control system type jog/shuttle to the USB port (example: Shuttle Xpress) so as to facilitate the navigation. The operator can see the video during the media digitalization, and can move the starting and ending cursors to create a sequence or a new video, made automatically from the series of marked segments.

Advantages

- Navigate easily in the tape (Play/Pause/Stop/Back Forward/Fast Forward/Image by image).
- Create a MPEG2 clip while manually watching a tape (DV, Beta, Betacam etc.).
- Create a clip indicating the entry (Timecode In) and exit plug (Timecode Out).
- Create a video file from several segments (several sets of Timecode In, Timecode Out).
- Selection and navigation of 'timecode' type possible (if the tape has one).

2 digitalization modes

1. *Automatic*: if the equipment (video tape recorder, DVD player, video camera) can be controlled via RS-422 or RS-232 and that there is at least one clip in the list. It is then possible to digitalize all the clips in one unique big file or in separated files.
2. *Manual*: if the equipment cannot be controlled or that there is no clip in the list. It is possible at any time to put 'pause'. It allows, during the digitalization, to fix the video tape recorder on another sequence, then to start again the digitalization.

PORTABLE VIDEORECORDERS

Mini DVR Pro



Ultra Compact DVR Provides Broadcast Quality Video and Audio for Portable Applications

Ultra-compact digital video recorder with enhanced features that is ideal for broadcast, military, surveillance, law enforcement and emergency first responder applications.

The Mini DVR Pro is small enough to fit in the palm of a hand, slip into a pocket or hang on a belt. Measuring only 5.2"L x 3.7"W x .8"D, the Mini DVR Pro is a standalone, pocket-sized digital video recorder that delivers exceptional image quality.

Featuring scalable Motion-JPEG compression and an outstanding 720 x 486 pixel image resolution.

STANDARD FEATURES

- Scalable Motion JPEG compression
- Analog Composite & S-Video (Y/C) Inputs & Outputs
- Time/Date Stamp & Character Display
- Flash Drive Interface
- PC Viewable Files or Secure Video Files
- Powered by 4 AA batteries
- Time-Lapse Recording
- Front Panel Controls
- 6 GPI Switch Inputs
- 2 GPI LED Outputs
- Loop Record with Event Trigger
- RS-232 Control/Set Up
- NTSC or PAL
- 2 audio channels
- Line / mic input
- Chase Lock
- USB 2.0 Port

Flash XDR

Portable HD Field Recorder
7x5x1.7" (127x44x178mm)
1 lb (0.5 Kg), 10 Watts



Flash XDR: Superb Audio / Video + Tapeless Workflow + ASI I/O

Break-through the limitations of low bit-rate 3:1:1 / 4:2:0 sub-sampled (1440x1080) recording and unlock your camera's full video-quality potential.

Unlike Firewire drives, which provide no quality improvement whatsoever, Flash XDR captures the never-compressed HD-SDI output using a worldclass 4:2:2 full-raster (1920x1080i/p) MPEG2 CODEC at bit-rates up to 160 Mbps (4X to 6X that of HDV).

Flash XDR virtually eliminates motion-artifacts, mosquito-noise and keying problems. Superb 24-bit uncompressed audio (mic or line input) complements the stunning video.

The camera-mountable, low-power, all solid-state design utilizes affordable Compact Flash media to provide 2.5 hours recording time (100 Mbps) using four 32 GB cards. Industry standard MXF file format ensures easy transfer to leading NLE programs with all the benefits of a tapeless workflow, including fast downloads and metadata support. Additional features include 24p pulldown removal, time-lapse recording and automatic backups (RAID1).

Finally, this Fall, Flash XDR will break-through the final quality barrier with an un-compressed 4:2:2 10-bit optional software upgrade!



Canon XL-H1 with Flash XDR

nanoFLASH

The World's Smallest Professional
HD/SD Recorder/Player
With ASI Encode/Decode Option
(Available June 2009)



Super-small, lightweight, low-power with HD/SD-SDI and HDMI I/O

- **HD/SD-SDI and HDMI I/O**, with Loop-out, monitor / playback to professional or consumer display
- **Visually Lossless Full-Raster XDCAM HD 4:2:2 100 Mbps CODEC (from Sony)**
- **Camcorder Mountable:** 4.2x3.7x1.4" / 107x94x36 mm , Lightweight (under 1 lb / 400g)
- **Low-Operating Cost:** Records to affordable CompactFlash media
- 24-bit/48K audio: embedded or analog inputs, headphone output, level meter
- Analog audio input: one balanced mic or two unbalanced mics or two (consumer) line level
- **Comprehensive NLE Support:** Final Cut Pro (.mov); Avid, Edius, Vegas (.mxf)
- Remote control option with Record Trigger and Red Tally LED
- Long Battery Life: (6.5 ~ 19.5V, 6W Active / 0.1W Stand-By)
- ASI Encode/Decode: MPEG2 TS (Extra Cost Firmware Upgrade)

Applications / Benefits from Acquisition to Delivery

- **Upgrade native camera recording capability**, blue/green screen compositing, off-line recording
- Portable HD/SD Deck, ENG, EFP, Indie, 3-D, Helmet Cams, Medical, Video Assist
- Tapeless Workflow eliminates capture, 3X to 6X download speed, metadata support
- On-Set Review, Presentations, Museums / Theme Park, Trade Shows, Digital Signage
- High Quality distribution / HD Source deck for Movie Theaters / Indie Festivals / Any Projector
- All Solid-State design –Extreme Temperatures, High Gs, High Altitude, High Humidity
- **ASI Encode/Decode Option** for microwave uplink, QAM Modulator, Video Server
- Functions as a Standalone HD/SD-SDI → HDMI or HDMI → HD/SD-SDI converter

Elite HD



The Elite HD is the first to market camera-mounted or standalone DVR and player to harness the JPEG2000 (J2K) compression codec for recording HD-SDI video signals. The Elite HD gives broadcasters a powerful new option for recording high-quality video from HD-SDI cameras while reducing the costs of storage media.

NDT-200



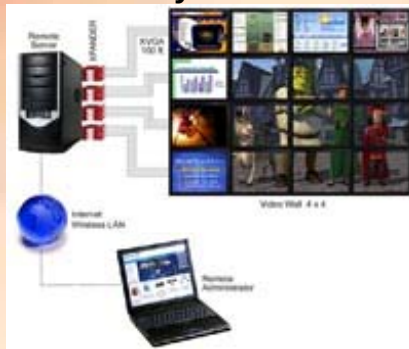
Compact, portable DVR is designed for video professionals in the remote broadcast, security, law enforcement, and government industries.

Standard Features

- Scalable Motion JPEG Compression 4:1 to 30:1
- Analog Composite & S-Video (Y/C) Inputs & Outputs
- Dual Channel Audio
- Time/Date Stamp & Character Display
- USB 2.0 **QuickTime™ Video File Transfer
- PC Viewable or Secure Video Files
- Variable Speed Playback
- Time-Lapse Recording
- Loop Record
- Pre-Event Record
- Build and Edit Clip Lists

VIDEOWALL

Retroprojection videowall system



HyperCube™ gives you a high resolution picture in picture processor enabling you mix, re-size and over-lay any of 8 connected signal(HDTV, video, RGBHV, DVI, SDI) and display simultaneously all of 8 signals LIVE as PIP with the help of its RS-232 control software "HyperControl". HypeCube™ handles signals from any video, graphic, DVI, SDI and HDTV sources and can expand, shrink and level them. Using the latest developments in DLP™ technology, the HyperCube™ offers you unsurpassed digital image with the highest resolution and brightness.

- All industry Standard **Video, HDTV, SDI, RGBHV & DVI** signal formats
- Internal high resolution PIP processor(max. 8 pip per cube)
- High resolution image 1024×768(XGA) and real 1400×1050(SXGA+)
- High brightness image
- Long lamp life time
- Easy maintenance
- Large picture
- Short depth
- Light weight
- High quality internal graphic & video processor
- Supports 5 input signal types (HDTV, Video, Graphic, DVI and SDI)
- Supports up to 8 input boards per cube
- Up to 8 live simultaneous images on each cube
- Any number of signal connections using LANETCO or third party routers
- Any input type can be mixed and displayed
- Possibility of labeling each source and showing it through OSD
- Possibility of showing direct text message through OSD
- Several internal test signals and colour patterns
- Possibility of image shrinks and zooms

VIRTUAL SET

Nixus-Dragon - System suite for real-time 3D on-air graphics



What is Nixus Dragon?

NIXUS-DRAGON is a system suite for real-time 3D on-air graphics for virtual studio integrated markerless camera tracking system and real-time rendering system without hardware camera sensors. It can broadcast various impact-enhanced live programs with compact and cost-effective system.

Supplementary Explanation

Current virtual system just tracks the motion of the camera. NIXUS-DRAGON realizes free CG motion because it can track poster or flip board in the studio and you can make it to move. You can also use it on the field like outside broadcasting. Furthermore, you can also edit CG after recording video.

Xf Engine

NIXUS-DRAGON has our own xf.Engine architecture as a core engine of it. With it comes the highest quality graphics efficiently to HD output. It can respond to meet your all demands because of developing by our own technology. NIXUS-DRAGON can also offer extreme reliability and customization as a core engine.

DBSS - All in one broadcasting station systems



Saves your time, cost and space

Comes in ready-to-use or ready-to-build forms in a single rack
Eliminate hassle of preparing schematic drawings to fit given space
Integrates each dedicated subsystems at a fraction of cost for building a broadcasting station

Serves its purpose of reaching system's full capability with or without a crew

Meets your demand on every axis

Built with Darim's individually renowned systems for studio production and broadcasting

All subsystems have been precisely and optimally integrated into one compact system

Delivers reliable high-end broadcasting station in most simplified system structure

All-for-one architectural software minimizes time wasted on switching one system to another

Virtuoso 200 HD - Virtual set HD systems



Virtuoso is a trackless 3D virtual set system with a simple set-up and an intuitive user interface making it a very powerful tool in the hands of everyday operators. The simplicity of Virtuoso belies its power to deliver sparkling and sophisticated presentations, may it be news, talk shows, game shows and a myriad of other application possibilities. Virtuoso 200 is available in SD/HD formats

Virtuoso 200 is powered by iPass technology to achieve optimum processing power. All inputs and outputs are now put in a separate break out box, outside the main system thus reducing the heat generation inside the server. This feature lends full stability in 24x7 environment required by broadcast industry. Virtuoso allows you to add virtual tilts, pans and zooms from a static camera in perfect sync with the 3D virtual set. You can create the illusion of multiple cameras with one stationary camera by coordinating multiple angles, such as wide, medium and close-up views- whether you're shooting head-and-shoulder or full-body shots.

Virtual sets can be enhanced with reflections and shadows for real life features.

Highlights

- Trackless 3D virtual studio system in SD/HD formats.
- Powered by iPass technology.
- Multiple virtual cameras & switching.
- Advance multilevel chroma keying.
- Support for real-time advanced shader materials.
- Automation for media switching.
- Real-time shadows and reflections.
- Motion Designer software for virtual motions.
- Real-time hardware based 3D rendering.
- Client-server application for live graphics update.
- Easy to use interface.

NIXUS Real-Time 3D On-Air Graphics System



This is the high quality real-time on-air character generator and graphics softwares with stunning 3D effects. It is used among major television networks and broadcast facilities in Japan. You can just get the software package for this system. Driven by powerful 3D rendering engine, it creates spectacular characters and animation with special 3D object in real time for live on-air broadcast such as volleyball, soccer, baseball, News program, and virtual-system. can create the virtual field for sports live broadcast and news on air virtual studio system. It is capable of HD graphics creation and play out.

Best Performance

This 3D System is based on our innovative cutting-edge real-time architecture, so it can render a graphics in the field base (60FPS) in real-time. Rendering animation is so smooth and full scenery high quality graphics can be rendered in real-time.

Real-time Rendering

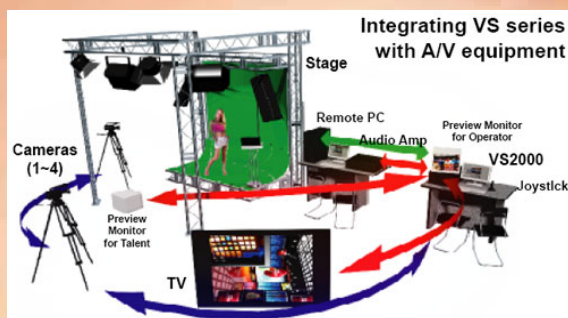
It can create the graphics in real-time, so it is possible to insert any 3D objects on a scenery. Real-time rendering enable you to insert CG according to rapidly changing situations with high quality output. That is Real-Time 3D On-Air Graphics System the most powerful features.

DARIM VS2000 Real-time 3D Virtual Set Solutions



Stuning Live 3D Video Effects for Any Budget and Application

- Integrated 3D Virtual Studio Systems
- Multi-Camera Display/Switching
- Advanced Color Keying
- Real Time 3D Rendering Hardware
- Trackless Camera Animation
- Virtual 3D Position/Zoom Control
- Easy Setup and Operation
- Adaptable for Special Applications
- Optional Camera Tracking Interface
- VS4000 High Definition System for HD Studios



Trackless concept of 3D virtual sets

- No camera tracking is required to get full 3D immersion!
- Nearly any models of cameras/mounts can be used
- Reduce the studio space requirements/construction time
- Provide affordable way to increase the number of cameras

Provides full 3D position/zoom control of virtual cameras

- No need to adjust/move the real cameras at all
- A single person can control entire virtual set production

Integrated chroma keying, 3D rendering and video mixing

- Raw camera video in -- virtual set video out black box concept
- Internal audio mix/delay module ensures proper audio/video sync
- Compact-size unit is easy to install, configure and operate
- Open possibility for use of mobile real time virtual sets in the field

Professional quality chroma keying for any cameras/lights

- One-click automatic setup with comprehensive manual override
- Adjustable matte filtering and cropping
- Color/brightness correction with blue spill removal

Virtual Set Software Post-production virtual set



The software is a breakthrough that transforms chroma keying into an incredibly easy and practical tool for all types of video producers. Imagine being able to quickly create highly realistic background composites that are convincing in every detail, even from marginal video sources. Additionally, it makes sophisticated virtual sets simple and affordable. It includes a library of prerendered virtual sets and revolutionary features like virtual camera moves and video reflections within virtual scenes.

Freedom

Use it in the field or studio with minimal set up. Great for full-body, talking-head and sit-down shots.

Quality

High-quality vector keying technology, works with uneven lighting, wrinkled backdrops and even frizzy hair.

Simplicity

The one-click Set Key feature allows fast set up. Better videos - less tweaking.

UAV – UNMANNED AERIAL VEHICLES

TMP-200 – 25kg - Rapace



TMP-100 – 10kg - Corvo



TMP-20– 7kg - Butterfly



UAV helicopters are among the most innovative products currently on the military and security market. Security forces, armies, coastal guards and fire brigades in various countries are already widely using them given that these vehicles undoubtedly represent an alternative to traditional helicopters which is both financially convenient and professionally accurate.

Their main characteristic is their autonomous flight. All functions are carried out thanks to pre-programmed instructions sent by an on-board computer, not by a pilot.

A UAV helicopter can also be remotely run by a non-expert operator. The on-board computer interprets all commands thus rectifying any mistakes and guaranteeing all functions are accurately carried out.

UAV helicopters can carry out flight missions in a completely autonomous mode following a timeframe which is preestablished and pre-programmed on the on-board computer.

These are some of the many military and civil applications a UAV can be used for:

- Coast, border and national parks surveillance
- Automatic surveillance and patrolling of pre-defined areas
- Traffic surveillance
- Detection of chemical, radioactive or explosive substances
- Gas pipes, electric lines surveillance
- Crime surveillance
- Radio signals relay
- Hostage search
- Riots and crowd surveillance
- Delivery of goods in life-threatening situations
- Fishing surveillance
- Fire surveillance
- Rescue
- Escorting of military convoys

UAVs can take high-resolution and hyperspectral photographic images and can be equipped with various types of cameras: day camera, thermal camera, infrared or ultraviolet cameras. The resulting images (e.g. tridimensional land mapping) are highly precise.

Various sensors and electric devices can be mounted on a UAV, weight being the only limitation.

UAVs can also be the ideal solution to verify the authenticity of some rescue calls without wasting human resources and therefore simplifying operational dynamics. The precision and reliability of the data/images obtained via a UAV is undeniable. All this proves UAVs to be highly sophisticated, safe, innovative and financially convenient.

VEHICLE INSTALLATIONS



SYSTEM INTEGRATOR

New Products Overview and Market Segments

Applications

- Broadcast:
 - Fixed Installation
 - Mobile Installations (ENG/OB Vehicles)
- Post Production
- Rental & Staging (Production)

Product Overview

- Ponderosa
- x8 3G
- 1602 with Silent Switch
- openGear
- Multi-Viewer
- Control SoftwareTyLinx Pro (2.0)



Broadcast



Fixed Installations in:

- Small to large Size Broadcasters
- Dedicated production and airing areas (news, sport, etc.)
- University Broadcasters

Equipment Characteristics:

- Reliable
- Redundant
- Modular
- Expandable (future expansion)



Flexible Interface with Other Systems via:

- Protocol Translator for major routers & production switchers in on-going development
- Facilitating Integration with Sierra Protocol

Fault Reporting Available:

- GPO
- Simple Network Management Protocol (SNMP)

Control Options:

- Panels, Network, Serial
- GPI



ENG / OB VEHICLES

Mobile Installations:

- Compact Frame Units
- Light weight
- Clean Switch Technology

Equipment

- 1601 & 1602 HD with Silent Switch
- Lassen (Multi formats)
- Ponderosa (Multi formats and modular model)



Post Production



Sierra Routers Applications in POST Production

"Islands" (i.e. HD Island)

- Sierra Pro Series (Wideband Video Routing 500 MHz)
- Ponderosa 3G
- Ponderosa 1.5G
- RS-422 "Port Routers"
- NLE Routers (Small Suites)

Reference Routers

- Few Sources Many Destinations
- Tahoe 16x48 or Composite Viper (up to 8x64)

Rental & Staging



Equipment Characteristics

- Rugged & Reliable Construction
- One Stop Shop (Kramer & SVS) Multiple Format
- Modular & Expandable Equipment
- Diverse Connectors:
 - o Fiber Optics
 - o DVI
- Multi Format Signals Processing



Common Applications:

- Live Concerts
- Corporate Meetings
- Special Productions (i.e. Big Brother)
- Commercials
- Sports Events
- Major Trade Shows/Exhibitions

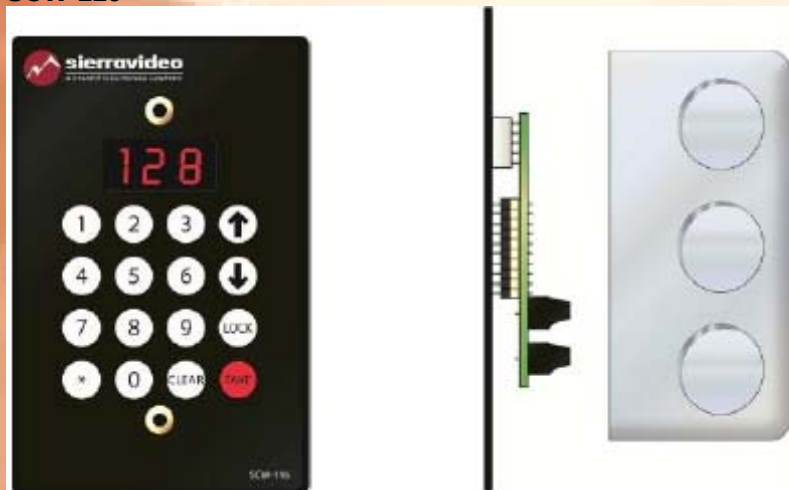


New Products



Wall Plate Control Panel

SCW-116



- Designed for MBF Industries
- For Non-Technical Operators
- Other Applications: Classrooms, Podiums



Short Product Overview

Sizes:

- 8x4, 8X8 ,12x4, 12x8, 16x8,16x16

Reverse Matrix:

- 8x16 and 16x32
- Stereo Analog audio optional



Multi-Format Digital Routing Switcher



Features:

- Modular Structure based on 8 X I/O Boards
- Routes Digital Video from 18 Kbps to 3 Gbps (units available in 1.5 Gbps and 3 Gbps sizes)
- Intelligent Reclocking (Automatic bypass for non-SMPTE rates)
- Equalizes up to 100m (Belden 1694)
- SNMP Alarms (Fans, Power Supplies)
- Redundant CPU & PSU
- GPI/GPO Contact Closures
- Control via RS-232, TCP/IP, RS-485 Control Panel Network

Optional Modules:

- Optical: 8 Inputs, 8 Outputs per card
- Digital to Analog Conversion Board for Monitoring (270 only)

New Audio Frame

To be used with several SVS Models



Analog Audio:

- 64x64 Mono OR 32x32 Stereo (3RU)
- 128x128 Mono or 64x64 Stereo (5RU)
- Jumper Selectable (At the Factory)



AES/EBU:

- 64x64 Balanced (3RU) on Phoenix Connectors
- 128x128 AES/EBU Balanced (5RU) on Phoenix Connectors
- Un-Balanced AES/EBU uses 25-pin "D" Connectors
- BNC to DB25 Adapter Panels



New Product Family –“Juniper”

- 88 HD3G
- 1602/1601 SDI-HD
- 1602/1601 With Clean Switch

88 HD 3G



- 1RU
- 18 Mbps to 3 Gbps
- Available with all audio options
 - E,EE,S, Embedded
- Breakaway Routes
- Toggle Input Equalizers
- Toggle Output Re-Clockers

1602 & 1601 (HD)

- Silent Switch
- Built-in Line Buffers



Terminal Equipment

- Consortium of 17 Developers provide Terminal Equipment Modules for a Common 10-Slot Frame
- Common Control & Monitoring Software (Dashboard –supplied at no cost)
- SVS Currently Offering 28 Modules



Current Offering

- 10-Slot Frame (12 W/slot)
- 20 Slot Frame (6 W/slot)
- Distribution Amplifiers
- Digital to Analog Converters
- Analog to Digital Converters
- UP/Down/Cross Converters
- HD/SDI Frame Synchronizers
- Audio Delay Modules
 - Embedders/De-Embedders
- Audio Conversion

Frame Options

- Redundant Power Supply
- 100 BNC Rear Panel
- Network Card for Dashboard Communication
- Software Option for SNMP Monitoring

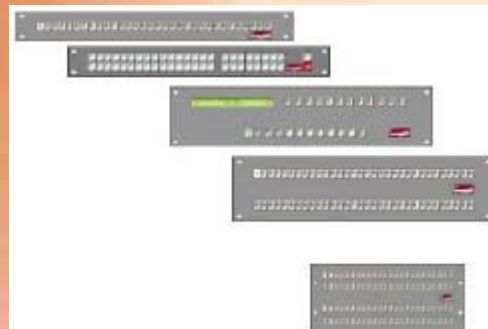


Dashboard

- OpenGear Control & Monitoring Software for Frames and Modules
- IP Interface

SVS Software Control and Control Panels

- 2.0 = GRIP Replacement
- 3.0 = TyLinXPro NET



Features:

- Network-enabled with unlimited client workstations
- Provides complete administrative, configuration and control functions
- Shared/saveable database for off-site data storage
- Windows & Mac* compatible
- Supports multiple routing switchers
- Provides retrieval of source and destination names, recorded/stored routing commands, and Virtual Room Grouping
- Ethernet (IP) or RS-232 serial communication

Console Player View



GRID view

