

CRESCENT - MI-16

COST EFFECTIVE 16X1 MULTIVIEWER

Key Features

- Low latency - single frame processing delay
- Low Energy - only uses 15 W of power
- Accepts 16 auto-detect 3G/HD/SD-SDI inputs
- 16 Passive input loop through
- Windows can be sized and moved freely
- Decode up to 16 embedded audio per SDI input
- Total of 64 audio meters
- 2 simultaneous and identical HDMI and SDI outputs
- Ethernet for configuration and external control
- Dynamic UMD/labels & Tallies (TSL)
- Stand alone labels, customizable logos
- 32 GPIs for tallies, count up/down triggers or alarms
- 2 digital and 2 analog clocks can be sync'd with LTC or NTP
- Borders can be turned on or off
- Safe area markers
- Visual Alarm tags for video/audio alarm detection
- Audio monitoring output - Stereo, AES, Embedded SDI and HDMI
- Optional redundant power supply
- 3 year limited warranty



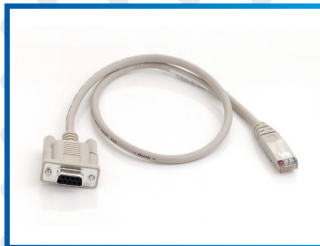
Accessories

Standard

- Rack mount
- 4 x RJ50 to DB9 for GPI
- 4 x breakout terminal blocks
- RJ45 to DB9 for serial
- Analog audio breakout cable
- CD (software, manual)

Options

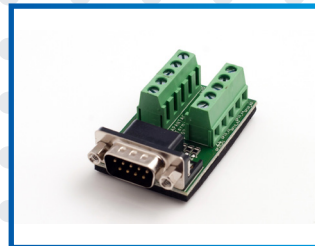
- Redundant power supply



RJ45-DB9: GPI Adapter



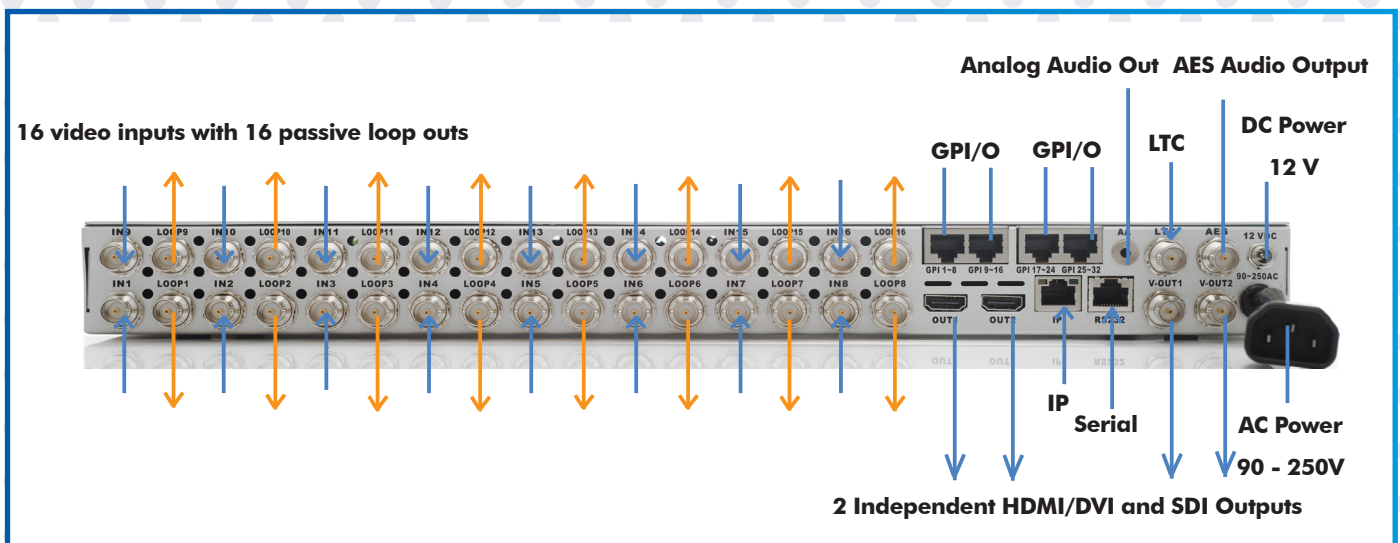
RJ45-DB9: RS232 Adapter



DB9 GPI Breakout



Analog Audio Breakout Cable



CRESCENT - MI-16+ (PLUS) COST EFFECTIVE DUAL OUTPUT (8+8) MULTIVIEWER

Key Features

- Low latency - single frame processing delay
- Low Energy - only uses 15 W of power
- Accepts 16 auto-detect 3G/HD/SD-SDI inputs
- 16 Passive input loop through
- Windows can be sized and moved freely
- Decode up to 16 embedded audio per SDI input
- Total of 128 audio meters (64 meters per output)
- 2 separate independent outputs with 8 inputs each
- Simultaneous HDMI and SDI outputs
- Ethernet for configuration and external control
- Dynamic UMD/labels & Tallies (TSL)
- Stand alone labels, customizable logos
- 32 GPIs for tallies, count up/down triggers or alarms
- 2 digital and 2 analog clocks can be sync'd with LTC or NTP
- Borders can be turned on or off
- Safe area markers
- Visual Alarm tags for video/audio alarm detection
- Stereo analog audio monitoring output
- Optional redundant power supply
- 3 year limited warranty



Accessories

Standard

- Rack mount
- 4 x RJ50 to DB9 for GPI
- 4 x breakout terminal blocks
- RJ45 to DB9 for serial
- Analog audio breakout cable
- CD (software, manual)

Options

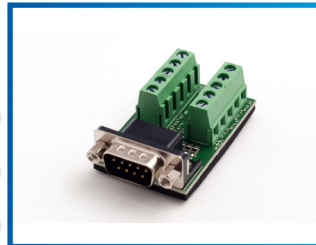
- Redundant power supply



RJ50-DB9: GPI Adapter



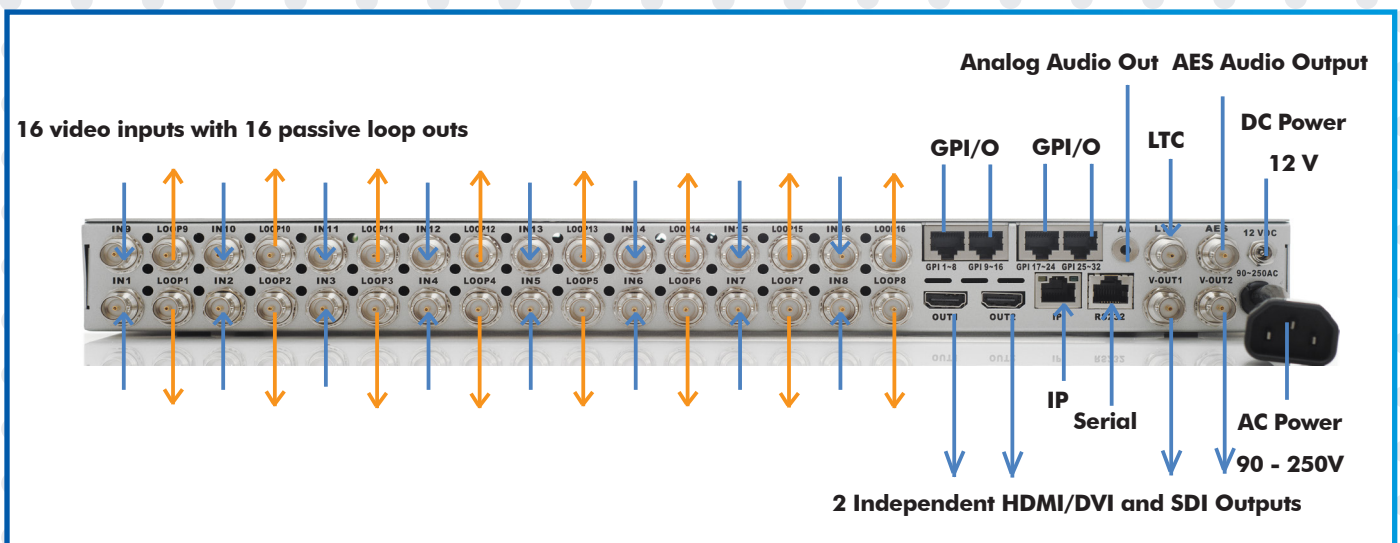
RJ45-DB9: RS232 Adapter



DB9 GPI Breakout



Analog Audio Breakout Cable



CRESCENT - MI-16# (SHARP) COST EFFECTIVE DUAL OUTPUT (16X2) MULTIVIEWER

Key Features

- Low latency - single frame processing delay
- Low Energy - only uses 15 W of power
- Accepts 16 auto-detect 3G/HD/SD-SDI inputs
- Passive input loop through
- Every input can be duplicated up to 16 times
- Every input is available to both outputs
- Decode up to 16 embedded audio per SDI input
- Total of 128 audio meters (64 meters per output)
- 2 independent outputs of HDMI and SDI
- Ethernet for configuration and external control
- Dynamic UMD/labels & Tallies (TSL)
- Stand alone labels, customizable logos
- 32 GPIs for tallies, count up/down triggers or alarms
- 2 digital and 2 analog clocks can be sync'd with LTC or NTP
- Borders can be turned on or off
- Safe area markers
- Visual Alarm tags for video/audio alarm detection
- Stereo analog audio monitoring output
- Optional redundant power supply
- 3 year limited warranty



Accessories

Standard

- Rack mount
- 4 x RJ50 to DB9 for GPI
- 4 x breakout terminal blocks
- RJ45 to DB9 for serial
- Analog audio breakout cable
- CD (software, manual)

Options

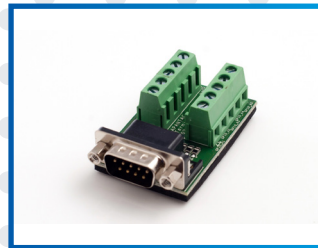
- Redundant power supply



RJ50-DB9: GPI Adapter



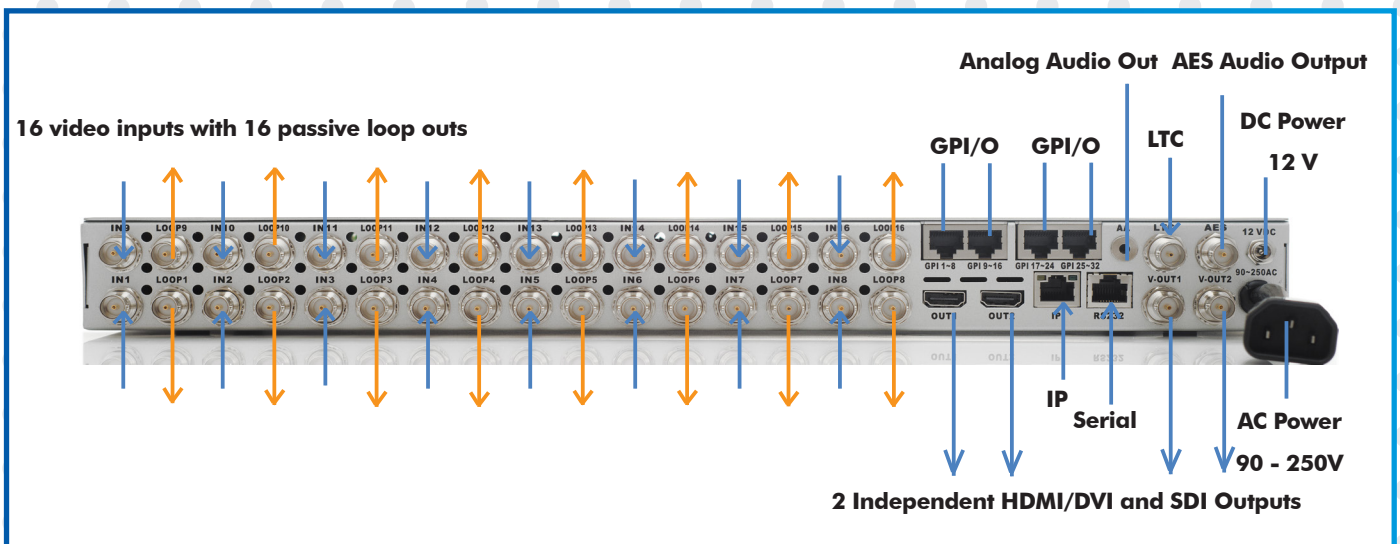
RJ45-DB9: RS232 Adapter



DB9 GPI Breakout



Analog Audio Breakout Cable



Mi-16 SPECIFICATIONS			
Inputs	16 3G/HD/SD-SDI	Video Outputs	2 identical DVI/HDMI, SDI
Loop outs	16 passive loop outs	Audio Outputs	AES and Analog audio monitor outputs
Connectors	BNC IEC 61169-8 Annex A	Output Resolution	1920 x 1080p 50/60Hz
Total Windows	16	On Screen Display	Borders, labels, tally UMD, OMD, IMD, dynamic UMD
Serial Digital	SMPTE 424M, 292M, 259M	General Purpose IO	Up to 32 inputs with RJ50 - DB9 connectors
Equalization	120m at 2.97 Gbps, 140m at 1.48 Gbps, 400m at 270 Mbps with Belden 1694A	Serial Port	Connector: RJ45, Baud Rate up to 115200 Format, TSL, TSI, AXP
Return Loss	> 15db up to 1.485 Gbps > 10db up to 3G	IP	100 Base-Tx, TSL, AXP Connector: RJ45
Embedded Audio	SMPTE-272M-A	Electrical	50W, 90-250V 50/60 Hz
Alarms	No audio, audio high/low, no video, video black, video frozen, WSS, AFD	EMI/RFI	Complies with FCC Part 15 Class A, CE, EU EMC, C-tick
Power	90-250 AC / 12 DC	Size	1 RU, 25 cm (10")

Mi-16+ SPECIFICATIONS			
Inputs	16 3G/HD/SD-SDI	Video Outputs	2 independent DVI/HDMI, SDI outputs
Loop outs	16 passive loop outs	Audio Outputs	AES and Analog audio monitor outputs
Connectors	BNC IEC 61169-8 Annex A	Output Resolution	1920 x 1080p 50/60Hz
Total Windows	16	On Screen Display	Borders, labels, tally UMD, OMD, IMD, dynamic UMD
Serial Digital	SMPTE 424M, 292M, 259M	General Purpose IO	Up to 32 inputs with RJ50 - DB9 connectors
Equalization	120m at 2.97 Gbps, 140m at 1.48 Gbps, 400m at 270 Mbps with Belden 1694A	Serial Port	Connector: RJ45, Baud Rate up to 115200 Format, TSL, TSI, AXP
Return Loss	> 15db up to 1.485 Gbps > 10db up to 3G	IP	100 Base-Tx, TSL, AXP Connector: RJ45
Embedded Audio	SMPTE-272M-A	Electrical	50W, 90-250V 50/60 Hz
Alarms	No audio, audio high/low, no video, video black, video frozen, WSS, AFD	EMI/RFI	Complies with FCC Part 15 Class A, CE, EU EMC, C-tick
Power	90-250 AC / 12 DC	Size	1 RU, 25 cm (10")

Mi-16# SPECIFICATIONS			
Inputs	16 3G/HD/SD-SDI	Video Outputs	2 independent DVI/HDMI, SDI outputs
Loop outs	16 passive loop outs	Audio Outputs	AES and Analog audio monitor outputs
Connectors	BNC IEC 61169-8 Annex A	Output Resolution	1920 x 1080p 50/60Hz
Total Windows	32+	On Screen Display	Borders, labels, tally UMD, OMD, IMD, dynamic UMD
Serial Digital	SMPTE 424M, 292M, 259M	General Purpose IO	Up to 32 inputs with RJ50 - DB9 connectors
Equalization	120m at 2.97 Gbps, 140m at 1.48 Gbps, 400m at 270 Mbps with Belden 1694A	Serial Port	Connector: RJ45, Baud Rate up to 115200 Format, TSL, TSI, AXP
Return Loss	> 15db up to 1.485 Gbps > 10db up to 3G	IP	100 Base-Tx, TSL, AXP Connector: RJ45
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Alarms	No audio, audio high/low, no video, video black, video frozen, WSS, AFD	EMI/RFI	Complies with FCC Part 15 Class A, CE, EU EMC, C-tick
Power	90-250 AC / 12 DC	Size	1 RU, 25 cm (10")

CRESCENT - MI-16 SERIES COST EFFECTIVE MULTIVIEWER

- Audio Support:
 - Decode the 16 SDI Embedded Audio
 - Display up to 128 meters total 64 per output
 - Analog / AES Stereo Monitoring output
- UMDs & Labels:
 - Two 32 Character labels per / Output
 - Labels can be Static, Follow input or Dynamic (TSL)
- Safe Title / Safe Area Makers:
 - Two sets of Markers per Window
 - Line and Shadow for Marker Set 1
 - Line for Marker Set 2
- Analog & Digital Clocks / Counters
 - Free running or Sync up to LTC, NTP
 - Up and Down Counters
 - Control via GPI, AXP protocol



OUTPUT 1

- Tallies:
 - GPI and TSL over IP control
 - Five Tally attributes:
 - 2 x LED, Text, Background & Border Color
 - Up to 4 Tally levels Control with TSL
- Presets & Configuration:
 - Create and Save up to 30 Presets
 - Recall them via GPI, AXP protocol over IP with
 - Hardware & Software panels

- Logos:
 - Bitmap logos are downloadable
- Optional
 - Redundant Power Supply
- 3 Year Limited Warranty



OUTPUT 2