

CRESCENT

Mx-32

Cost Effective 32x4 input 3G/HD/SD-SDI input Multiviewer



Key Features

- Low latency - single frame processing delay
- Low power consumption - only uses 75W
- Accepts 32 auto-detect 3G/HD/SD-SDI inputs
- Maximum of 16 windows per output
- Every input can be duplicated up to 32 times
- Every input is available to all outputs
- Windows can be sized and moved freely
- Decodes up to 16 embedded audio per SDI input
- Total of 256 audio meters
- 4 independent HDMI and SDI outputs
- Output resolution up to 1080P@60Hz
- Ethernet for configuration and external control
- Dynamic UMD/Label and Tallies (TSL)
- Standalone labels and 2 customizable logos
- 2 digital and 2 analog clocks can be synced with LTC or NTP
- 64 GPIs for tallies, count up/down triggers or preset recalls
- Borders can be turned on or off
- 2 sets of safe area markers
- Visual alarm tags for format, video/audio presence
- Audio monitoring outputs - stereo, AES, SDI or HDMI
- 2 RU with redundant power supply
- 3 year limited warranty

Accessories

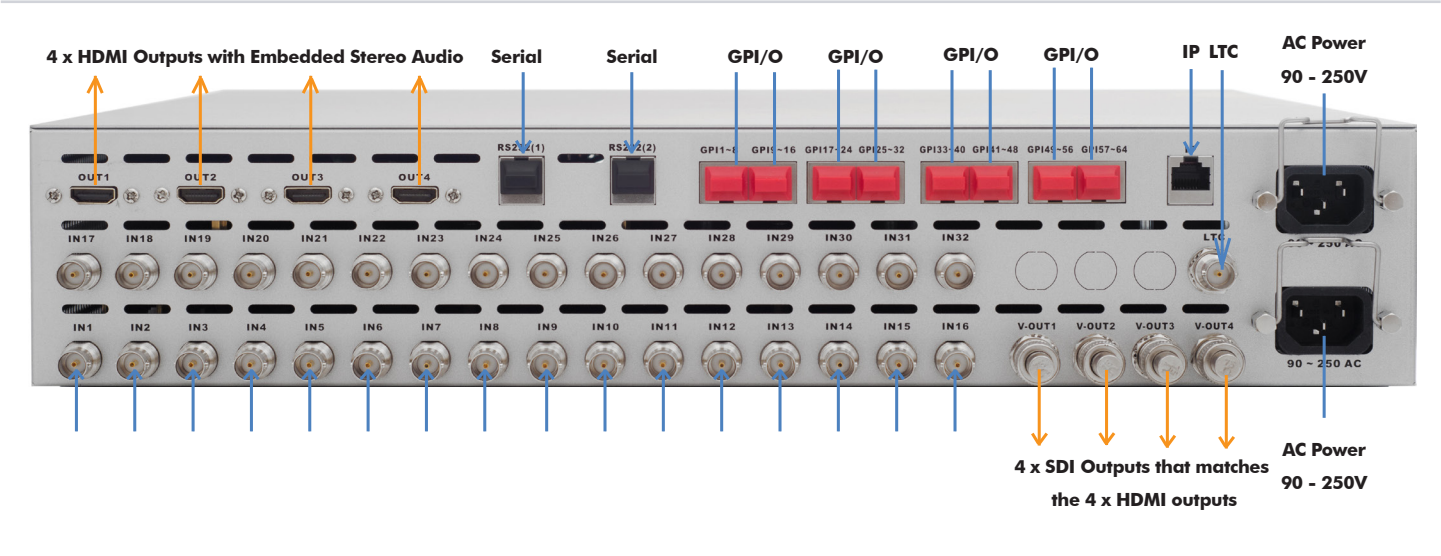
Standard

- Rack-mounts
- 8 x RJ50 to DB9 cables for GPI
- 8 x breakout terminal blocks
- 2 x RJ45-DB9 cable for serial (RS-232)

Optional Licenses

- ATC/VITC decoding and display
- Closed Captioning (608/708)
- Closed Captioning (OP47)
- Utah Scientific Router Interface

Rear View



Specifications

Inputs	Up to 32 3G (level A/B)/HD/SD-SDI	Video Output	4 independent HDMI 1.4 + 4 SDI
Connector Type	BNC IEC, 61169-8 Annex A	Audio Output	Embedded stereo audio pair
Total Windows	16 per each output	Output Resolution	HDMI: 1920x1080P 50/59.94 Hz SDI: 1080P/1080i 50/59.94 Hz
Aspect Ratios	16:9 for all or 4:3 for Standard definition	Latency	1 frame
Serial Digital	SMPTE 424M, 292M, 259M, supports 525i59.94, 625i50, 720p50, 720p 59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080p50, 1080p59.94, 1080p60 Level A/B	On Screen Display	Borders, Static and Dynamic Labels/UMDs, Tally LEDs, Alarm Tags, Clocks and Logos
Equalization	120m at 2.97 Gbps, 140m at 1.48 Gbps, 400m at 270 Mbps with Belden 1694A	SDI Color Encoding	10 bit 4:2:2
Return Loss	> 15dB up to 1.485 Gbps > 10dB up to 3G	GPI	32 for tally or AXP (ASCII command)
Embedded Audio	SMPTE-272M-A	Serial Port	RS-232. Connector: RJ45, Baud Rate up to 115,200. Supports TSL and AXP protocols
Alarms	No audio, audio high/low, no video, video format display	IP	100 Base-T for control and configuration and TSL, AXP protocol
Environment	Operating temperature: 0 ~ 45 C Operating humidity: 20 ~ 90% RH Storage temperature: -20 ~ 60 C	Supported IP Protocols	TSL 3.1 for dynamic tallies and labels, Optional: Utah and PESA router protocols
		Electrical	75 W, 90 - 250 V 50/60 Hz
		EMI/RFI	Complies with FCC Part 15, Class A, CE, EU EMC, C-tick
		Size / Weight	2RU. 446 x 452 x 88 mm (L x W x H)