

CRESCENT

Mi-16 + (Plus)

Cost Effective 8x2 3G/HD/SD-SDI input Multiviewer



Key Features

- Low latency - single frame processing delay
- Low energy - only uses 20W of power
- Accepts 16 auto-detect 3G/HD/SD-SDI inputs
- 16 passive input loop outs
- Windows can be sized and moved freely
- Decodes up to 16 embedded audio per SDI input
- Total of 128 audio meters
- 2 separate independent HDMI and SDI outputs with 8 inputs each
- 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
- 32 GPIs for tallies, count up/down triggers or preset recalls
- 8 GPO for alarm triggers
- 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
- 1 RU with optional redundant power supply
- Optional redundant power supply
- 3 year limited warranty

Accessories

Standard

- Rack-mounts
- 4x RJ50 to DB9 cables for GPI
- 4x breakout terminal blocks
- RJ45 to DB9 cable for serial (RS-232)
- Analog audio breakout cable

Optional

- Redundant power supply

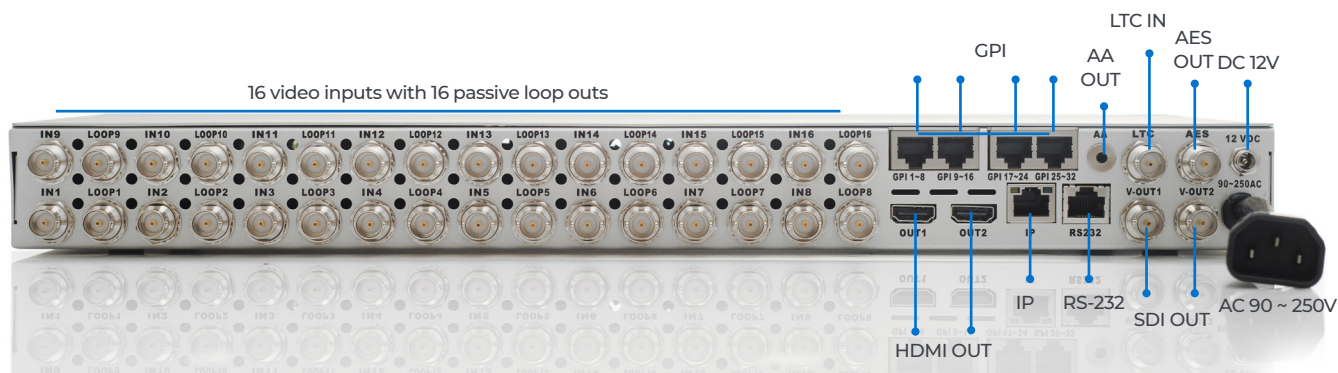
Optional Licenses

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

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Rear View



Specifications

Inputs	Up to 3G (level A/B)/HD/SD-SDI	Video Output	2 independent HDMI and 2 SDI with 8 windows each
Connector Type	BNC IEC, 61169-8 Annex A	Audio Output	AA, AES and Embedded stereo audio pair
Total Windows	4, 8, 12 or 16	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	525i59.94, 626i50, 720p50, 720p 59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p50, 1080p59.94, 1080p60 Level A/B	On Screen Display	Borders, Static and Dynamic Labels/UMDs, Tally LEDs, Alarm Tags, Clocks and Logos
		SDI Color Encoding	10 bit 4:2:2
		GPI	16 for tally or AXP (ASCII command)
		Serial Port	RS-232. Connector: RJ45, Baud Rate up to 115,200. Supports TSL and AXP protocols
Equalization	120m at 2.97 Gbps, 140m at 1.48 Gbps, 400m at 270 Mbps with Belden 1694A	IP	100 Base-T for control and configuration and TSL, AXP protocol
Return Loss	> 15db up to 1.485 Gbps > 10db up to 3G	Supported IP Protocols	TSL 3.1 for dynamic tallies and labels, Optional: Utah and PESA router protocols
Embedded Audio	SMPTE-272M-A	Electrical	20 W, 90 - 250 V 50/60 Hz
Alarms	No audio, audio high/low, no video, video format display	EMI/RFI	Complies with FCC Part 15, Class A, CE, EU EMC, C-tick
Environment	Operating temperature: 0 ~ 45 C Operating humidity: 20 ~ 90% RH Storage temperature: -20 ~ 60 C	Size / Weight	1RU. 446 x 232 x 44 mm (L x W x H)