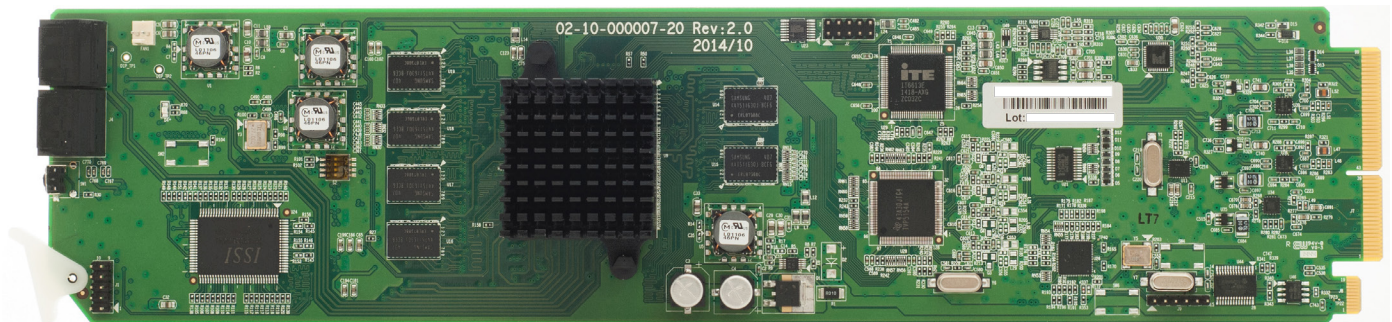


openGear

OG-Pinnacle-L

SDI to HDMI converter/scaler with loudness monitoring



OG-Pinnacle-L-MB

Key Features

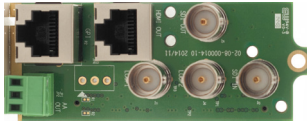
- openGear 3.0 card-based form factor
- Dashboard control enabled
- 3G/HD/SD-SDI to HDMI converter/scaler with loudness monitoring
- Built-in scaler/de-interlacer
- SDI output that matches HDMI output
- Analog audio monitoring output
- Embedded audio on HDMI output
- Selectable on-screen display (OSD) elements
- 16 channels of embedded audio
- Safe area markers
- Dynamic UMD (TSL)
- CC 608/708
- 2 GPI tallies per window
- 8 GPI contacts, can be configured for tally or ASCII protocol
- Borders can be turned on or off
- Visual Alarm tags for audio and video presence
- 5 year limited warranty



OPENGEAR

OG-Pinnacle-L

OG-Pinnacle-L-RMx



Rear Module (2 slots)

- 1 x BNC Input
- 2 x BNC loop out
- 1 x BNC output
- 1 x RJ45 (Extended HDMI Output)
- 1 x RJ50 for GPI/Tally
- 1 x 3-pin connector for AA out

Standard Accessories

- RJ50 to DB9 (for GPI)
- DB9 to Terminal Block (for GPI)
- 1 x 15 ft CAT6 cable
- 1 x RJ45 to HDMI (HDMI-SR)
- 1 x RJ45 to DVI (DVI-SR)

Optional Accessories for RMx

HDMI-1-R

Active HDMI Receiver that supports 1080p resolution up to 115 ft /35m

How to Order

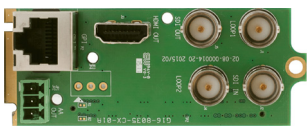
OG-Pinnacle-L-SET-1

OG-Pinnacle-L-MB +
OG-Pinnacle-L-RM

OG-Pinnacle-L-SET-2

OG-Pinnacle-L-MB +
OG-Pinnacle-L-RMx

OG-Pinnacle-L-RM



Rear Module (2 slots)

- 1 x BNC Input
- 2 x BNC loop out
- 1 x BNC output
- 1 x HDMI Output
- 1 x RJ50 for GPI/Tally
- 1 x 3-pin Connector for AA Out

Standard Accessories

- RJ50 to DB9 (for GPI)
- DB9 to Terminal Block (for GPI)

Specifications

Total Windows	1	Output	1 x HDMI/DVI, 1 x SDI
Inputs	3G/HD/SD-SDI/Composite	HDMI (OG-MiniQ-RM)	800x480 to 1920x1200 (1080p) 50/59.94/60Hz
Serial Digital	SMPTE 424M 292M, 259M	RJ45 (OG-MiniQ-RMx)	Up to 35 feet with passive receiver Up to 115 feet with active receiver (option: HDMI-1-R)
Equalization	120m at 2.97 Gbps, 140m at 1.48 Gbps, 400m at 270 Mbps with Belden 1694A	SDI	Matching the HDMI output resolution up to 3G
Return Loss	> 15db up to 1.485 Gbps, > 10db up to 3G	On Screen Display	Borders, Labels, Tallies, Audio meters, Alarm tags, Safe area markers
Embedded Audio	SMPTE-272M-A	GPI	8 for tally or AXP (ASCII command)
Composite	NTSC (SMPTE-170M), PAL (ITU624-2)	IP	100 Base-T, TSL, AXP_Lite protocol
Signal Level	1V nominal	DC Offset	0V, + - 0.1V
Impedance	75 ohm	Return Loss	40db up to 5MHz