

1616HD-3G

16x16 3G HD-SDI



1616HD-3G

HD-SDI Video Features

- Max Data Rate - 2.97Gbps.
- Multi-Standard Operation - SDI (SMPTE 259M & SMPTE 344M), HD-SDI (SMPTE 292M), 3G HD-SDI (SMPTE 424M) and dual link HD-SDI (SMPTE 372M).
- System Range - 500' (155m) at max data rate.

Sync Features

- Looping Sync Input - Composite or Tri-sync.
- Input Equalization - Per input.
- Re-Clocking - 5 modes: auto, bypass, 3G HD-SDI, HD-SDI & SD per input.

Control Features

- Local Control Panel - Multi-color I/O & function buttons.
- Optional Remote Control Panel - Via Ethernet
- Flexible Control - RS-232, RS-485, Ethernet. GUI web pages for setup.
- Front Panel Lockout.
- Audio Breakaway Switching - When using an external audio level.

Other Features

- Worldwide Power Supply - 110-240V AC to 12V DC (external).
- Redundant External Power Supply - Optional.
- Standard 19" Rack Mount Size - 1U (1616HD3G) & 2U (3232HD3G). 2.5" deep.
- Take - The Take button executes a selected function when pressed (switch, salvo recall, IP address change, etc.).
- Salvos - Memory locations of switching lists that are saved in the router and recalled by a single command.

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TECHNICAL SPECIFICATIONS

HD-SDI Video

Data Rates	19Mbps to 2.97Gbps.
Data Types	SMPTE 259M-C, SMPTE 292, SMPTE 424M & DVB-ASI.
Cable	3G: 0 - 500' (155m) HD: 0 - 650' (200m) SD: 0 - 1,200' (400m)
Equalization	
Return Loss	≥15db @ 1.485Gbps ≥10db @ 2.97Gbps
Level	800mV p-p +/- 10%
Timing Jitter	SMPTE 424M ≤2.0UI SMPTE 292 ≤1.0UI SMPTE 259M ≤2.0UI
Alignment Jitter	SMPTE 424M ≤0.3UI SMPTE 292 ≤0.2UI SMPTE 259M ≤0.2UI
Return Loss	≥15db @ 1.485Gbps ≥10dB @ 2.97Gbps

Control Features

Ethernet	10/100 Base-T (RJ-45)
Serial	RS-232/422 (DB-9)

General

I/O Correctors	75 Ohm BNC
Dimensions	1616HD3G - 1U: 1.75" (45mm) x 19" (483mm)x 2.5" (64mm) 3232HD3G - 2U: 3.5" (89mm) x 19" (483mm)x 2.5" (64mm)
Operating Temp	32°-104°F (0°-40°C)
Weight	1616HD3G: 2 lbs (0.9kg) 3232HD3G: 4 lbs (1.8kg)
Power	1616HD3G: 110-240V AC, 50/60Hz, 30W 3232HD3G: 110-240V AC, 50/60Hz, 18W