

USF-1043VM Datasheet

1. Specifications

Basic specifications

Temperature / Humidity	0°C to 40°C / 30% to 90% (no condensation)
Power	Supplied from USF frame, +12 VDC
Consumption	1 A
Dimensions	Front Module: 106 (W) x 356 (D) mm Rear Module: 114 (W) x 20.2 (H) mm
Weight	0.5 kg
Required Slot	1 Slot

Technical specifications

Video Formats	1080/59.94p, 50p (Level-A/B) 1080/59.94i, 50i, 720/59.94p, 50p, 1080/23.98PsF, 1080/24PsF 525/59.94i, 625/50i
Video Input	3G/HD/SD-SDI BNC x 2
Video Output	3G/HD/SD-SDI BNC x 4
Auto Input Cable Equalization	BNC cable length: 3G-SDI: Up to 70 m (5C-FB) HD-SDI: Up to 100 m (5C-FB) SD-SDI: Up to 200 m (5C-2V)
Sampling rate	Y: 10-bit, C: 10-bit 3G-SDI: Y: 148.5MHz, C: 74 MHz HD-SDI: Y: 74MHz, C: 37MHz SD-SDI: Y: 13.5MHz, C: 6.75MHz
Genlock Input	BB: 0.429 Vp-p (NTSC)/PAL: 0.45 Vp-p, Tri-level sync: 0.6 Vp-p Supplied from USF frame
Sync Mode	Frame, Line (1 H and AVDL) or Input sync mode selectable
System Phase Adjustment	
Frame Sync mode	H phase: -1/2 H to +1/2 H V phase: -1/2 frame to +1/2 frame Maximum delay: 1 frame + 1 H, Minimum delay: +1 H
Line (1H) mode	H phase: -1/2 H to +1/2 H V phase: -1/2 frame to +1/2 frame Maximum delay: 1 H +1/2 H, Minimum delay: +1/2 H
Line (AVDL) mode	H phase: -1/2 H to +1/2 H V phase: -1/2 frame to +1/2 frame Maximum delay: 5 H +1/2 H, Minimum delay: +1/2 H (HD) Maximum delay: 1 H +1/2 H, Minimum delay: +1/2 H (SD)
Input Sync mode	H phase: -1/2 H to +1/2 H V phase: -1/2 frame to +1/2 frame Maximum delay: 1 frame, Minimum delay: +400 clk

Audio Input	
Embedded Audio	3G/HD-SDI: 16 channels (Group 1 to 4), 48kHz, 16-bit to 24-bit (synchronous/asynchronous) SD-SDI: 16 channels (Group 1 to 4), 48kHz, 16-bit to 24-bit synchronous only (3G-SDI Level-B (Link A embedded only effective))
Audio Output	
Embedded Audio	3G/HD-SDI: 16 channels (GROUP 1 to 4), 48 kHz, 24-bit (synchronous/asynchronous) SD-SDI: 12 channels (GROUP 1 to 3), 48 kHz, 24-bit (synchronous only) (3G-SDI Level-B (Link A embedded only effective))
Audio delay adjustment	Adjustable between 5ms and 1,000ms (per 1ms)
Audio Functions	Sampling Rate Converter (SRC)
Remote Control	Via Web browser or SNMP
SNMP	Supports version v2c

Accessories

DVD-ROM and Screws for rear module installation

2. External Dimensions

(All dimensions in mm.)

