

USF-1043VM Datasheet

1. Specifications

Basic specifications

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| 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

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| 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 |

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| 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

USB flash drive and Screws for rear module installation

2. External Dimensions

(All dimensions in mm.)

