MSD-V6 Modular Input

MSD-VIV1UF

The MSD-VIV1UF is a 10GbE (SDVoE) modular input that is a factory-installed option for the MSD-V6 series. This modular input can receive 10GbE (SDVoE) signal over a fiber optic cable for a long-haul transmission.
Up to 4K@60 video and multi-channel audio can be input.
RS-232C/LAN control communication is also supported.

■ Specification

		MSD-VIV1UF
Video/Audio input	10GbE*2	1 input
		SDVoE, AES-128 Deep Color*1
		640x480@60 to 2560x1600@60 Reduced Blanking 480p, 576p to 3840x2160@24/25/30/50/59.94/60 (4:4:4), 3840x2160@50/59.94/60 (4:2:0), 4096x2160@24/25/30/50/59.94/60 (4:4:4), 4096x2160@50/59.94/60 (4:2:0) Color depth: 24/30 bits *For all supported video signals, see the specification of MSD-V6.
		LPCM: Up to 8 channels Sampling frequency: 32/44.1/48/88.2/96/176.4/192 kHz Reference level: -20 dBFS, Max. input level: 0 dBFS
		RS-232C/LAN
		Connector: SFP+ *For SFP+ transceiver specification, see the table below.

*1 x.v.Color/3D/HDR/ARC/HEC are not supported.
*2 For 10GbE extension, use this product in combination with IDK's other SDVoE supported products.

■ SFP+ transceiver specification

P/N	MSD-VIV1UF-MM	MSD-VIV1UF-SM	Optional	MSD-VIV1UF
SFP+ transceiver	10G-MM-SFP	10G-SM-SFP	10G-SM40-SFP	Without SFP+ transceiver
Fiber	Multimode fiber	Singlemode fiber	Singlemode fiber	N/A
Wave length	850 nm (VCSEL laser)	1310 nm (DFB laser)	1550 nm (EML laser)	
Laser safety	Class 1 (JIS C 6802, IEC60825-1)			
Maximum distances*	OM3: 984 ft. (300 m)	OS1: 6.21 mi. (10 km)	OS1: 24.85 mi. (40 km)	
Receiver sensitivity (OMA) @10.3Gbps	-11.1 dBm or higher	-12.6 dBm or higher	-16 dBm or higher	
Average Launch Power	-5 dBm to -1 dBm	-8.2 dBm to +0.5 dBm	-1 dBm to +2 dBm	
Max. input power	+0.5 dBm	+0.5 dBm	-1 dBm	
Polishing	PC polishing	UPC polishing, SPC polishing *APC polishing is not supported		
Connector	LC (Duplex)			

*The maximum transmission distance is measured under the following conditions: Fiber that is polished by a recommended method is used, there is no interconnection, and the allowable bending radius is not exceeded.

■ Front & Rear Panels

MSD-V62UF with MSD-VIV1UF (Option)