

MSD-402



Presentation Switcher (built-in scan converter)

The IDK MSD-402 presentation switcher provides 4 inputs and 2 outputs and has a built-in scan converter. For video input, 2 HDBaseT and 2 HDMI/DVI are included. Input video signals are converted to HDMI/DVI signals or HDBaseT signals output at resolutions up to QWXGA or 1080p. For audio input, 4 digital inputs are included. Selected audio signals are output to digital audio and analog audio. Audio levels of each input and output can be set individually.

RS-232C and LAN are provided as communication ports for external control communication to enable you to set menus remotely. Bidirectional LAN communication is supported for HDBaseT input/output.

FRONT / REAR PANEL

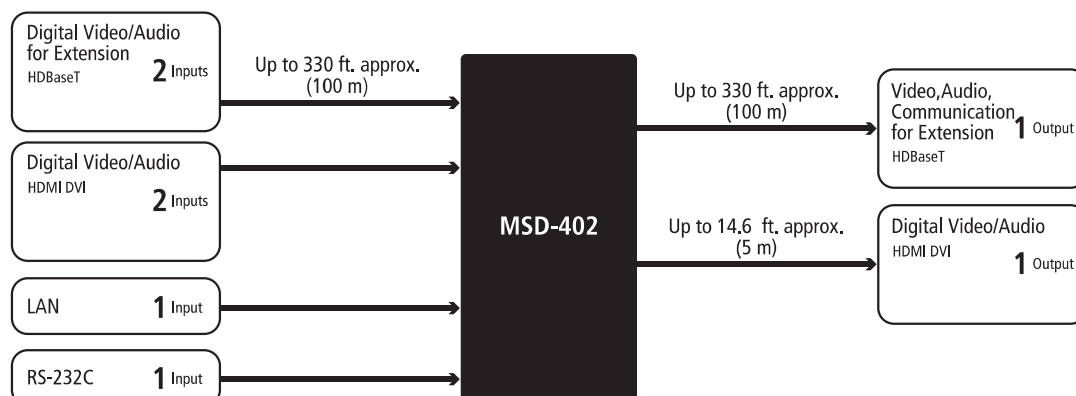


FEATURES

- Video:**
- Up to QWXGA (Reduced Blanking) or 1080p
 - HDMI input cable EQ
 - Input: up to 33ft to 99ft approx. (10m to 30m)
 - Up to 330ft approx. (100m) extension over a Cat6 cable
 - **Scan converter**
 - Aspect control
 - Seamless switching
 - Anti-snow
 - **Picture in Picture**
- Audio:**
- D/A conversion
 - Volume adjustment
 - Multiple audio down mixing

- Control input:**
- RS-232C, LAN
- Others:**
- EDID emulation
 - Automatic input switching
 - Cross point memory
 - Preset memory
 - Last memory
 - Connection Reset
 - Lock mechanism for AC adapter

CONNECTION DIAGRAM



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SPECIFICATIONS

Input	Video	HDMI	Number / Signal	2 inputs / HDMI Deep Color / DVI 1.0 HDCP1.4 TMDS single link TMDS clock: 25 MHz to 225 MHz Dot clock: 25 MHz to 165 MHz				
			Connector	2 female HDMI Type A				
			Others	Built-in Digital Cable EQ, EDID emulation				
		HDBaseT	Number / Signal	2 inputs / HDBaseT HDCP1.4 TMDS single link TMDS clock: 25 MHz to 225 MHz Dot clock: 25 MHz to 165 MHz				
			Connector	2 RJ-45 Cable: Cat5e/Cat6 (STP/UTP straight cable)				
		Format		480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA to QWXGA * WUXGA / QWXGA: Reduced Blanking				
		Audio	Digital	Number / Signal	4 inputs / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz Sample size: 16 bit to 24 bit Reference level:-20 dBFS Max. input level: 0 dBFS * IN1 to 3: can be selected digital or analog audio,			
	Connector			2 female HDMI Type A 2 RJ-45				
	Output	Video	Digital	Number / Signal	1 output / HDMI Deep Color / DVI 1.0 HDCP1.4 TMDS single link TMDS clock: 25 MHz to 225 MHz Dot clock: 25 MHz to 165 MHz			
				Connector	1 female HDMI Type A			
HDBaseT				Number / Signal	1 output / HDMI Deep Color / DVI 1.0 (HDCP) HDCP1.4 TMDS single link TMDS clock: 25 MHz to 225 MHz Dot clock: 25 MHz to 165 MHz			
			Connector	1 RJ-45 Cable: Cat5e/Cat6 (STP/UTP straight cable)				
Format			480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA / SVGA / XGA / WXGA(1280x768) / WXGA(1280x800) / Quad-VGA / SXGA / WXGA(1360x768) / WXGA(1366x768) / SXGA+ / WXGA+ / WXGA++ / UXGA/WXGA+ / VESA1080/WUXGA/QWXGA * VESA1080 / WUXGA / QWXGA: Reduced Blanking					
Audio			Digital	Number / Signal	2 output / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz Sample size: 16 bit to 24 bit Reference level: -20 dBFS Max. output level: 0 dBFS			
				Connector	1 female HDMI Type A, 1 RJ-45			
Max. extension distance		Input	HDMI/DVI	33 ft. to 99 ft. approx. (10 m to 30 m)				
				Output	HDMI/DVI	Up to 16.4 ft. approx. (5 m)		
		HDBaseT	Up to 330 ft. approx. (100 m)					
Function	Scan Converter Others		HDMI/DVI	Aspect ratio control, Seamless switching, Picture adjustment (brightness, contrast, display position, display size), Picture-in picture				
				HDBaseT	Volume adjustment (volume of input and output ports can be set separately), Cross-point memory (storage for 4 settings), Preset memory (8 settings and startup settings), Last memory, Anti-snow, Connection Reset, Front panel security lockout, Auto input detection and switching			
External control	Serial control port		Number / Signal		1 port / RS-232C			
			Connector	1 terminal block (5-pin)				
	LAN control port		Number / Signal	1 port / 10Base-T (Auto Negotiation), 100Base-TX (Auto Negotiation), Auto MDI/MDI-X				
Connector			1 RJ-45					
Others	Power			Input: 100 - 240 VAC ± 10%, 50 Hz / 60 Hz ± 3 Hz Output: 12VDC 4.2A (power supply unit is supplied)				
	Power consumption			TBD				
	Dimensions			TBD(EIA rack 1/2U, not including projections)				
	Weight			TBD				
	Temperature			Operating temperature: 32 °F to 104 °F (0 °C to +40 °C) Storage temperature: -4 °F to +176 °F (-20 °C to +80 °C)				
	Humidity			Operational/ Storage humidity: 20% to 90% (Non Condensing)				