

MSD-804FD



Full Digital Presentation Switcher (with built-in scan converter)

The IDK MSD-804FD is a full digital presentation switcher with 8 digital (HDMI) inputs and 4 digital (HDMI) outputs. Optional twisted pair output modules can be mounted. With the optional module, the switcher can output both an HDMI output and an HDBaseT output simultaneously. This switcher has a built-in scan converter, seamless switching, aspect ratio control, and other features for applications with the most demanding quality requirements.

FRONT & REAR PANEL



FEATURES

- Video:**
- Up to QWXGA (RB)* or 1080p
 - Built-in digital cable EQ**
 - INPUT : Up to 33 ft. to 99 ft. approx. (10 m to 30 m)
 - OUTPUT: Up to 33 ft. to 165 ft. approx. (10 m to 50 m)
 - Extends output signal up to 330 ft. approx. (100 m) using a Cat6 twisted pair cable (optional)
 - Front panel LCD menu for setup and signal status check**
 - Simultaneous output from an HDMI output and an HDBaseT output**
 - Aspect ratio control**
 - Seamless switching**
 - Anti-snow**
- Audio:**
- Volume adjustment
 - Lip sync
- Control:**
- Input: RS-232C, LAN
 - Output: RS-232C, LAN, CEC
- Others:**
- Connection Reset**
 - EDID emulation
 - Audio breakaway enables independent audio and video switching
 - Preset memory, Last memory, and Cross-point memory
 - Front panel security lockout
 - Internal test patterns for calibration and setup

PRODUCT SELECTION

Model Number	Digital Input	Digital Output	Twisted Pair Output (optional)
MSD-804FD	8	4	0
MSD-804FD OB-HDC-02	8	4	2
MSD-804FD OB-HDC-04	8	4	4

* Digital output can output both an HDMI output and an HDBaseT output simultaneously.

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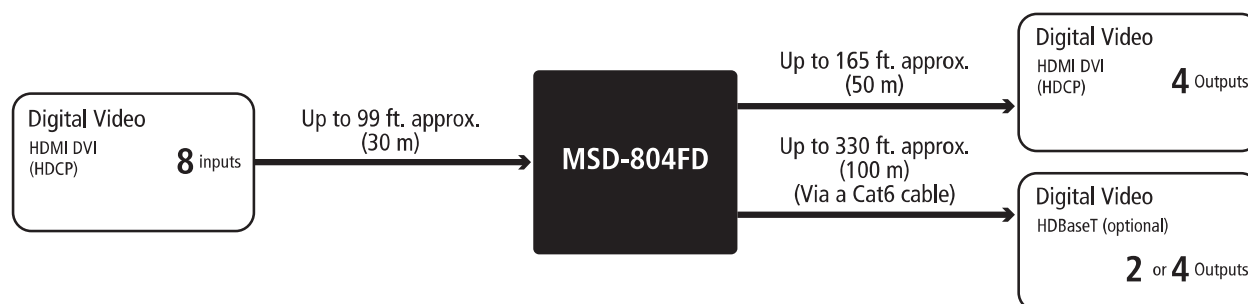
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CONNECTION DIAGRAM



SPECIFICATIONS

Input	Video	Digital	Number / Signal Connector	8 inputs / HDMI, DVI 1.0 (HDCP 1.4) TMDs single link, TMDs clock: 25 MHz to 225 MHz 8 female HDMI Type A
		Formats		480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA to QWXA: Dot clock 25 MHz to 165 MHz * WUXGA / QWXA: Reduced Blanking
		Others		Built-in Digital Cable EQ, EDID emulation
	Audio	Digital	Number / Signal Connector	8 inputs / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample size: 16 bit to 24 bit * Audio can be selected digital or analog audio. 8 female HDMI Type A
		Analog	Number / Signal Connector	8 inputs / Stereo LR unbalanced signals * Audio can be selected digital or analog audio. 8 RCA pin jack
	Output	Video	Number / Signal Connector	4 outputs / HDMI, DVI 1.0 (HDCP 1.4) TMDs single link * Output video can be distributed to an HDMI/DVI and HDBaseT simultaneously. 4 female HDMI Type A
			Others	Built-in Digital Cable EQ
		HDBaseT (optional)	Number / Signal Connector	2 or 4 outputs / HDMI, DVI 1.0 (HDCP 1.4) TMDs single link * Output video can be distributed to an HDMI/DVI and HDBaseT simultaneously. 2 or 4 RJ-45 Cable: Cat5e / Cat6 (STP / UTP straight cable)
			Formats	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 / WSXGA+ / VESA1080 / WUXGA / QWXA * VESA1080 / WUXGA / QWXA: Reduced Blanking
		Audio	Digital	4 outputs / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample size: 16 bit to 24 bit * 2-outputs distribution (if HDBaseT is mounted) 4 female HDMI Type A
			Connector	4 female HDMI Type A
		Digital Twisted pair extension (optional)	Number / Signal Connector	2 or 4 outputs / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample size: 16 bit to 24 bit * Audio can be distributed to an HDMI output and an HDBaseT output simultaneously. 2 or 4 RJ-45
		Analog	Number / Signal Connector	4 outputs / Stereo LR unbalanced signals 4 RCA pin jack
Functions	Analog video processing unit	Scan Converter		3D Y/C separation
		Others		Aspect ratio control, Picture adjustment, Seamless switching
		Others		Volume adjustment, Audio breakaway enables independent audio and video switching, Cross-point memory, Preset memory, Last memory, Anti-snow, Connection Reset, External control commands (32 commands), Front panel security lockout
		Others		
External control	Serial control port	Number / Signal Connector		2 ports / RS-232C 2 male 9-pin D-Sub
		Connector		2 male 9-pin D-Sub
	LAN control port	Number / Signal Connector		1 port / 10Base-T (Auto Negotiation), 100Base-TX (Auto Negotiation), Auto MDI / MDI-X 1 RJ-45
		Connector		1 RJ-45
Others	Command outputs to external device			RS-232C, LAN, CEC (controls power of monitor), PLink (class1)
	Power			100 - 240 VAC $\pm$ 10%, 50 Hz / 60 Hz $\pm$ 3 Hz
	Power consumption			About 56 Watts to 82 Watts
	Dimensions			16.93(W) $\times$ 3.46(H) $\times$ 13.78(D)" approx. (430(W) $\times$ 88(H) $\times$ 350(D)mm) (EIA rack 2U, not including projections)
	Weight			About 11.9 lbs. to 12.35 lbs. approx. (5.4 kg to 5.6 kg)
	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				Operating / Storage humidity: 20% to 90% (Non Condensing)