

MSD-701 & MSD-702



Presentation Switcher (with built-in scan converter)

The IDK MSD-701 and MSD-702 are simple-to-use presentation switchers with 4 digital (HDMI) and 1 digital / analog (Universal DVI-I) inputs that are switch-selectable and 2 analog inputs. The MSD-701 includes an HDMI output and an HDBaseT output that can output simultaneously. The MSD-702 has 2 pairs of this simultaneous output. 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 (MSD-702)



FEATURES

- Video:**
- Up to QWXGA (RB)* or 1080p *(RB) = Reduced Blanking
 - **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
 - **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:**
- **Front panel HDMI input**
 - **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	Analog Input	Digital Output*
MSD-701	5 (4)	2 (3)	1
MSD-702	5 (4)	2 (3)	2

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

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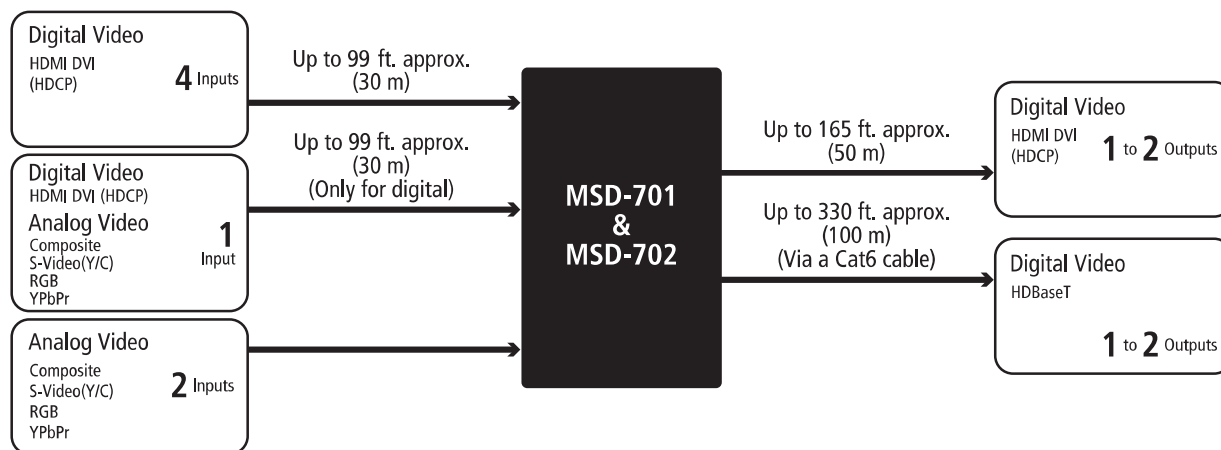
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CONNECTION DIAGRAM



SPECIFICATIONS

Input	Video	Digital	Number / Signal Connector	5 inputs / HDMI, DVI 1.0 (HDCP 1.4) TMDs single link, TMDs clock: 25 MHz to 225 MHz
		Universal Analog	Number / Signal Connector	4 female HDMI Type A 1 female Universal DVI-I * DVI-I connector: can be selected digital or analog video.
		Formats		3 inputs / Composite video, S-Video, Analog RGB/Analog YPbPr (auto-recognition)
		Others		2 female 15-pin HD, 1 female Universal DVI-I * DVI-I connector: can be selected digital or analog video.
	Audio	Digital	Number / Signal Connector	NTSC/PAL 480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA to QWXA: Dot clock 25 MHz to 165 MHz * WUXGA / QWXA: Reduced Blanking
		Analog	Number / Signal Connector	Built-in Digital Cable EQ, EDID emulation
		Digital	Number / Signal Connector	5 inputs / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample size: 16 bit to 24 bit * IN1 to 5: can be selected digital or analog audio.
		Analog	Number / Signal Connector	4 female HDMI Type A 1 female Universal DVI-I
		Digital	Number / Signal Connector	7 inputs / Stereo LR unbalanced signals * IN1 to 5: can be selected digital or analog audio.
		Analog	Number / Signal Connector	7 RCA pin jack
Output	Video	Digital	Number / Signal Connector	1 or 2 outputs / HDMI, DVI 1.0 (HDCP 1.4) TMDs single link * Output video can be distributed to an HDMI/DVI and HBaseT simultaneously.
		HBaseT	Number / Signal Connector	1 or 2 female HDMI Type A
		Formats		Built-in Digital Cable EQ
		Others		1 or 2 RJ-45 Cable: Cat5e / Cat6 (STP / UTP straight cable)
	Audio	Digital	Number / Signal Connector	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 are only output as Reduced Blanking
		Digital	Number / Signal Connector	1 or 2 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 HBaseT output simultaneously.
		Digital Twisted pair extension	Number / Signal Connector	1 or 2 female HDMI Type A
		Analog	Number / Signal Connector	1 or 2 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 HBaseT output simultaneously.
		Lip Sync	Number / Signal Connector	1 or 2 RJ-45
		Others	Number / Signal Connector	1 or 2 RCA pin jack
Functions	Analog video processing unit			Up to 17 frames
	Scan Converter			3D Y/C separation
	Others			Aspect ratio control, Picture adjustment, Seamless Switching, Motion adaptive I/P conversion
	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
External control	Serial control port	Number / Signal Connector		1 port / RS-232C
	LAN control port	Number / Signal Connector		1 male 9-pin D-Sub
	Command outputs to external device	Number / Signal Connector		1 port / 10Base-T (Auto Negotiation), 100Base-TX (Auto Negotiation), Auto MDI / MDI-X
	Others	Number / Signal Connector		1 RJ-45
Others	Power			RS-232C, LAN, CEC (controls power of monitor), PLink (class1)
	Power consumption			100 ~ 240 VAC ± 10%, 50 Hz / 60 Hz ± 3 Hz
	Dimensions			About 38 Watts to 48 Watts
	Weight			16.93(W) × 1.73(H) × 13.88(D)" approx. (430(W) × 44(H) × 350(D)mm) (EIA rack 1U, not including projections)
	Temperature			9.48 lbs. approx. (4.3 kg)
	Humidity			Operating temperature: 32°F to 104°F (0°C to +40°C) Storage temperature: -4°F to +176°F (-20°C to +80°C)