

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

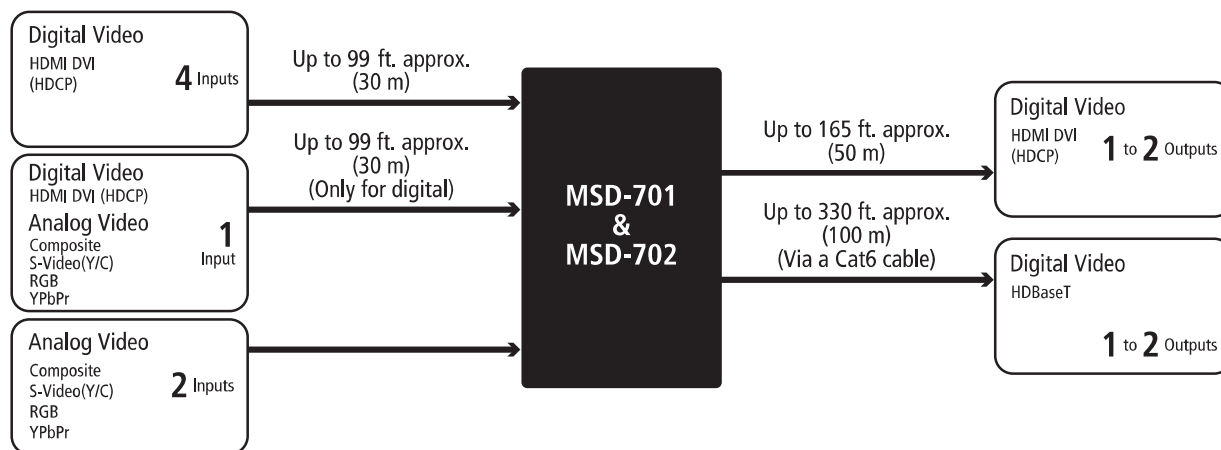
- Video:**
- Up to QWXGA (RB)* or 1080p *(RB) = Reduced Blanking
 - **Built-in digital cable EQ**
 INPUT : Up to 33 ft. to 99 ft. approx. (10 m to 30 m)
 OUTPUT: Up to 33 ft. to 165 ft. approx. (10 m to 50 m)
 - Extends output signal up to 330 ft. approx. (100 m)
 using a Cat6 twisted pair cable
 - **Front 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.

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 4 female HDMI Type A 1 female Universal DVH * DVI-I connector: can be selected digital or analog video.	
		Universal Analog	Number / Signal Connector	3 inputs / Composite video, S-Video, Analog RGB/Analog YPbPr (auto-recognition) 2 female 15-pin HD, 1 female Universal DVH * DVI-I connector: can be selected digital or analog video.	
		Formats		NTSC/PAL 480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA to QWUGA: Dot clock 25 MHz to 165 MHz * WUXGA / QWUGA: Reduced Blanking	
		Others		Built-in Digital Cable EQ, EDID emulation	
	Audio	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. 4 female HDMI Type A 1 female Universal DVH	
		Analog	Number / Signal Connector	7 inputs / Stereo LR unbalanced signals * IN1 to 5: can be selected digital or analog audio. 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 HDBaseT simultaneously. 1 or 2 female HDMI Type A Built-in Digital Cable EQ
			HDBaseT	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 HDBaseT simultaneously. 1 or 2 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 / QWUGA * VESA1080 / WUXGA / QWUGA are only output as Reduced Blanking
			Audio	Digital	Number / Signal Connector
Digital Twisted pair extension				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 HDBaseT output simultaneously. 1 or 2 RJ-45
Analog				Number / Signal Connector	1 or 2 outputs / Stereo LR unbalanced signals 1 or 2 RCA pin jack
Lip Sync				Up to 17 frames	
Functions		Analog video processing unit		3D Y/C separation	
		Scan Converter		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 1 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
		Command outputs to external device			RS-232C, LAN, CEC (controls power of monitor), PLink (class1)
		Others	Power		
Power consumption				About 38 Watts to 48 Watts	
Dimensions				16.93(W) \times 1.73(H) \times 13.88(D)" approx. (430(W) \times 44(H) \times 350(D)mm) (EIA rack 1U, not including projections)	
Weight				9.48 lbs. approx. (4.3 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)	