

DIGI-44B Technical Specifications

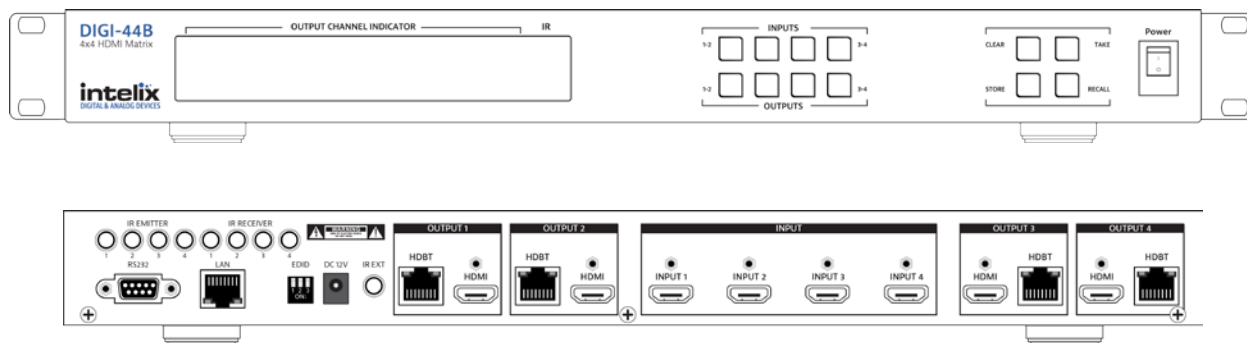
Four Input to Four Output HDBaseT/HDMI Matrix Switcher

Rev. 130408

The Intelix DIGI-44B is a four input by four output HDBaseT/HDMI matrix switcher. The Intelix DIGI-44B matrix improves the ease of installation similar to previous Intelix HDMI matrix switchers.

The DIGI-44B has dual outputs on each output port, allowing the same signal to be routed to the HDMI connector and a remote destination with an HDBaseT receiver. The HDBaseT ports support 1080p HDMI video with audio, bi-directional wide-band IR, matrix control via IR, and HDCP. The matrix is HDMI compatible and supports up to 2K resolutions, Deep Color, and full 3D capabilities.

The DIGI-44B can be controlled via front panel buttons, front panel IR, external IR, remote IR through HDBaseT extenders, RS232, and Ethernet. The matrix includes a simple IR remote control to allow IR switching. This IR remote control can be learned into universal remotes and IR based control systems. The matrix also features a full command set for RS232 and Ethernet control with third party control systems.



Technical Specifications	
I/O Connections	
HDMI Inputs	Four (4) HDMI Type A Receptacle Connector (1 per input)
HDMI Outputs	Four (4) HDMI Type A Receptacle Connector (1 per output)
HDBaseT Outputs	Four (4) 8P8C port (Shielded RJ45) (1 per output)
IR Input	Four (4) 3.5 mm jack (TRS)
IR Output	Four (4) 3.5 mm jack (TS) (1 per output)
IR Extension Input	One (1) 3.5 mm jack (TRS)
12V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel
Control, Rear Panel	RS232 via DE-9, TCP/IP via 8P8C, IR via 3.5mm TRS
Control, Front Panel	Push Button, IR
DIP Switch	Three switch DIP
Supported Audio and Video	
HDTV Video Resolutions	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
VESA Video Resolutions	Up to 1920x1200
Embedded Audio Compatibility	Up to PCM 5 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Maximum Distance per Linked Unit (Cat 5e)	70m (230')
Maximum Distance per Linked Unit (Cat 5e) @1080p 3D	40m (131')
DIP Switch Modes	1080i/2.0, 1080p 3D/2.0, 1080p/2.0, 1080p/5.1, 1080p/7.1, Copy and Use EDID from Display
Extender Signal Characteristics	
Cable Requirements	Category 5e, 6, or 6A with TIA/EIA-568B crimp pattern
Bandwidth	6.75 Gbps
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	0.5 to 1.0 volts p-p
Supported IR Carrier Frequency	33-55 kHz at 5 volts
Chassis and Environmental	
Enclosure	Painted Steel
Dimensions	440mm x 230mm x 44mm (17.32" x 9.06" x 1.73")
Rack Spacing	1 RU
Shipping Weight	3.72 kg (8.2 lbs)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing
Power, ESD, and Regulatory	
Power Supply Input	100V-240VAC / 1.8A
Power Supply Output	12vDC / 5A
Power Consumption	60 watts (max)
ESD Protection	15kV
DIGI-44B Regulatory	CE, RoHS
Power Supply Regulatory	UL, FCC, CCC, CE, RoHS
Other	
Warranty	2 years
Diagnostic Indicators	LED output status and power LED
Included Accessories	Installation Guide, IR Remote, IR Emitter (4 ea), IR Receiver (4 ea), USB/RS232 adaptor, US Power Cable and Power Supply, Mounting Brackets with screws, Chassis Feet
Compatible Receivers (A/V Only)	DIGI-HD70-R
Compatible Receivers (A/V, IR and RS232)	DIGI-HDE-R, DIGI-HD60C-R

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.