

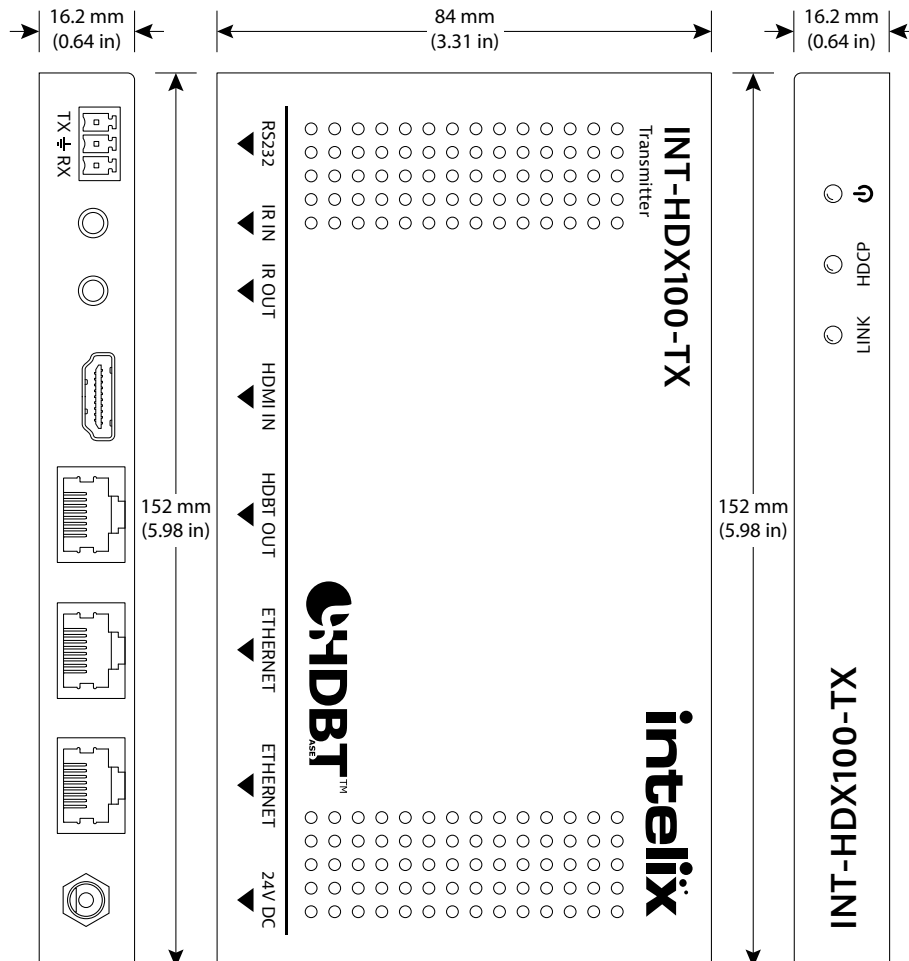
INT-HDX100-TX Technical Specifications

100 m HDMI, IR, RS232 and Ethernet HDBaseT extender
Rev 160804

The Intelix INT-HDX100-TX extends HDMI over a single solid core shielded Category 5e or greater cable using the Valens VS100TX HDBaseT chip. The INT-HDX100-TX supports 1080p, full 3D or 4k x 2k video signals up to 100 meters (328 feet) including multichannel audio and HDCP 1.4/2.2. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. Key features of the new extender series include , power over HDBaseT (PoH), bidirectional IR, bidirectional RS232, and Ethernet pass-through with a 2-port network switch.

Flexible power design allows the INT-HDX100 series extenders to be powered at either the TX or RX end, and only one power supply is required. The power supply is included with the extender. The bidirectional wideband IR, bidirectional RS232, and Ethernet pass-through capabilities make the INT-HDX100 compatible with most control systems. The IR emitter (DIGIB-EMT) and IR receiver (DIGIB-EYE) are sold separately. The two-port network switch on the INT-HDX100-TX allows a second device to share the 100BaseT Ethernet pass-through connection without adding additional hardware to the installation.

The INT-HDX100 series extenders are compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.



Input/Output Connections	
HDMI Input	One (1) HDMI Type A Receptacle
HDBaseT Port	One (1) 8P8C port (Shielded RJ45)
Ethernet	Two (2) 8P8C port (Shielded RJ45)
Power	One (1) 5.5 mm OD, 2.6 mm ID Threaded Barrel
RS232 Port	One (1) 3-pin Removable Terminal Block Connector
IR Input	One (1) 3.5 mm TRS Receptacle
IR Output	One (1) 3.5 mm TRS Receptacle
Supported Audio, Video and Control	
Video Resolutions	SMPTE: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, UHD/30 VESA: Resolutions up to 1920x1200 Color Depth: 24, 30, 36, 48bit
Maximum Video Compatibility at 100 m	Deep Color 48/36/30/24 Bit at 1080p, 3D, UHD/30
Video Compliance	HDMI 1.4 and HDCP 1.4/2.2
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
ARC (Audio Return Channel)	No
HEC (HDMI Ethernet Channel)	No
CEC (Consumer Electronics Control)	Yes (Pass-through Only)
Supported Baud Rates	2400, 4800, 9600, 19200, 38400, 57600, 115200
Supported IR Carrier Frequencies	33 to 55 kHz
Ethernet	100BaseT
HDBaseT Signal Characteristics	
Maximum Distance	100 m (328 ft)
Cable Requirements	Continuous shielded solid core Cat 5e or greater with TIA/EIA-568B crimp pattern (no couplers in-line)
Bandwidth	10.2 Gbps
HDBaseT Chipset	VS100TX
Chassis and Environmental	
Construction	Black Aluminium
Dimensions (H x W x D)	16.2 mm x 152 mm x 84 mm (0.64 in x 5.98 in x 3.31 in)
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 and Regulatory	
Power Input	24V DC 1.25A or 48V DC PoH (Power over HDBaseT)
Power Output	48V DC PoH (Power over HDBaseT)
Power over Ethernet (PoE) Compatibility	802.3af Alternative A
Power Consumption	5 watts
ESD Protection	15kV air, 8kV contact
Regulatory	FCC, CE, RoHS
Other	
Warranty	2 years
Diagnostic Indicators	HDCP, Link, and Power
Included Accessories	Installation Guide, Power Supply, 3-pin Removable Screw Terminal
Optional Accessories	IR emitter (DIGIB-EMT), IR receiver (DIGIB-EYE), rack mount (INT-EXRMK), rack mounted power supply (PSU12)
HDBaseT Receiver (A/V, PoE, Control) Compatibility	DIGI-HD60C-R, DIGI-HDX-R, FLX-64, INT-HD70-RX, INT-HDX100-RX, DIGI-BSR-4K
HDBaseT Receiver (A/V, Control) Compatibility	FLX-BI4
HDBaseT Receiver (A/V and PoE) Compatibility	DIGI-HD60-R

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.