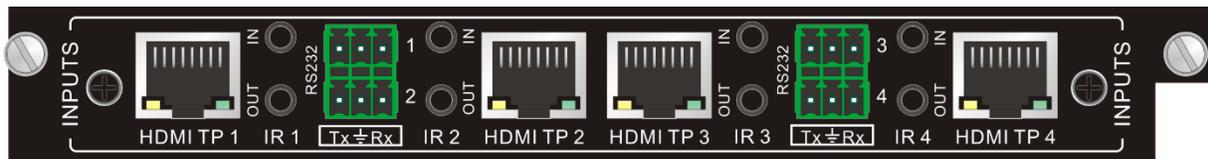


## FLX-BI4 Technical Specifications

### HDBaseT Input Card for Flexible Switching Matrix

Rev. 140814

The FLX-BI4 takes advantage of HDBaseT inputs to allow sources from remote locations, from up to 70m away, to be routed to any of the available outputs utilizing standard Cat 5e cable with a TIA-568B crimp. The RS232 and wide-band IR connections for each input allow bi-directional control signals at the equipment rack to interface with source equipment when used with the DIGI-HD60C-S or DIGI-HDE-S HDBaseT transmitters. The optional DIGIB-EMT (IR emitter) and DIGIB-EYE (IR receiver) are required for IR control functionality.



### Technical Specifications

I/O Connections	
HDBaseT Port	Four (4) 8P8C port (Shielded RJ45)
IR In	Four (4) 3.5 mm TS (Requires DIGIB-EYE)
IR Out	Four (4) 3.5 mm TRS (Requires DIGIB-EMT)
RS232	Four (4) 3 pole Euroblock Connectors
Supported Audio, Video and Control	
Maximum Video Compatibility at 70 m	Deep Color 36/30/24 Bit at 1080p
Maximum Video Compatibility at 40 m	Deep Color 48 Bit at 1080p, 3D
Video Compliance	HDMI and HDCP
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
IR Carrier Frequency Range	33-55kHz at 5 volts
RS232 Baud Rate	Up to 115200 baud
HDBaseT Signal Characteristics	
Maximum Distance	70 m
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
Gain	0 dB – 10 dB at 100 MHz
Resolution Range	800x600 – 1920x1200
Signal to Noise Ratio (SNR)	> 70 dB at 100 MHz over 100 m
Return Loss	< -30 dB at 5 KHz
Total Harmonic Distortion (THD)	< 0.005% at 1 KHz
Min-Max Signal Level	< 0.3 V – 1.45 Vp-p
Differential Phase Error	±10° at 135 MHz over 100 m
Chassis and Environmental	
Construction	Plug-in card with keyed black metal plate
Shipping Weight	0.43 kg (0.95 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
Other	
Warranty	2 years
Matrix Switcher Compatibility	FLX-8X8A, FLX-88, FLX-1616, FLX-3232
HDBaseT Transmitter (A/V and Control) Compatibility	DIGI-HD60C-S, DIGI-HDE-S, DIGI-P123, DIGI-P52, ASW-WP
HDBaseT Transmitter (A/V Only) Compatibility	DIGI-HD70-S
Infrared (IR) Emitter	DIGIB-EMT
Infrared (IR) Receiver	DIGIB-EYE

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