

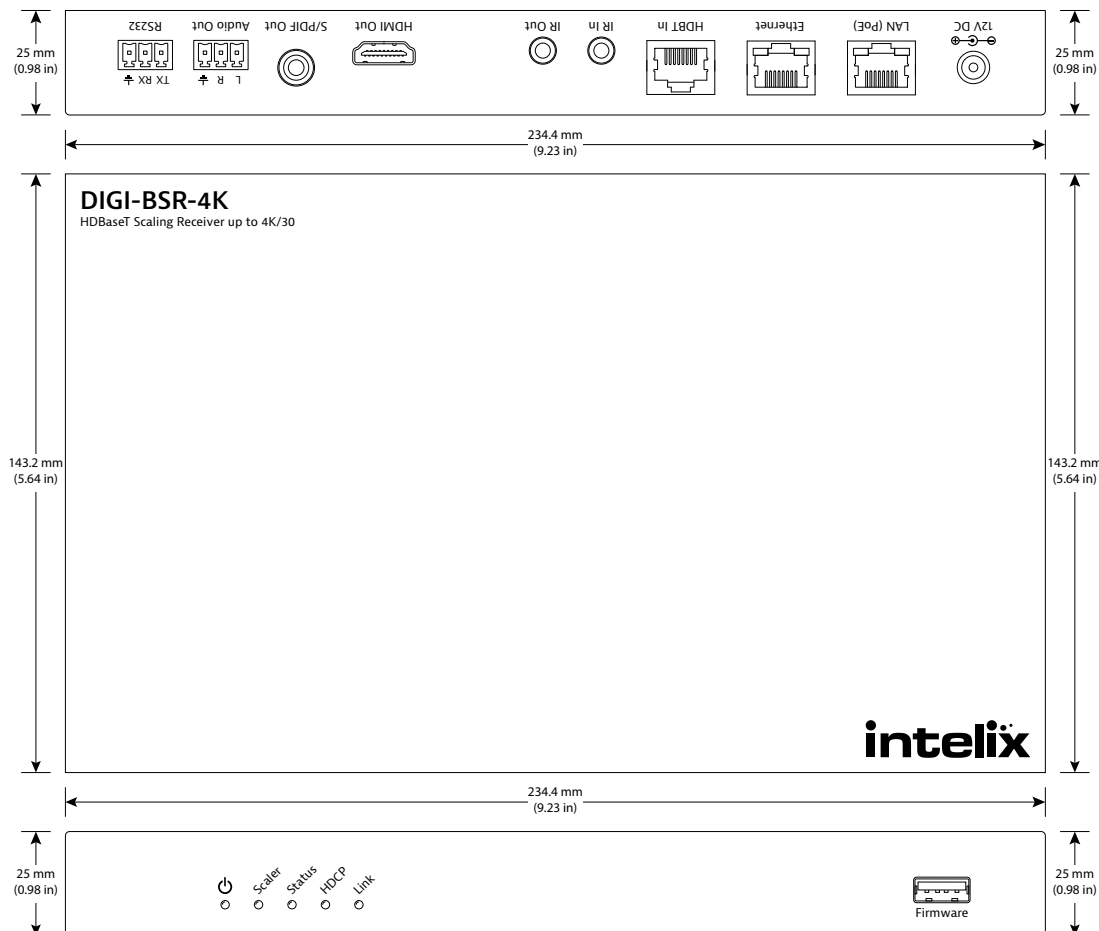
DIGI-BSR-4K Technical Specifications

100 m HDBaseT Scaling Receiver with HDMI, IR, RS232 and Ethernet
Rev 160803

The Intelix DIGI-BSR-4K extends HDMI over a single solid core shielded Category 5e or greater cable using the Valens VS100RX HDBaseT chip and scales the source content up or down to the native resolution of the connected display. The DIGI-BSR-4K supports 1080p, full 3D or 4k x 2k video signals up to 100 meters (328 feet) including multichannel audio and HDCP 1.4. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. Additional connections include bidirectional IR, bidirectional RS232, Ethernet pass-through with a 2-port network switch, and analog and digital audio de-embedding.

The DIGI-BSR-4K requires local power, but it can provide power to a compatible HDBaseT transmitter. The power supply is included with the extender. The bidirectional wideband IR, bidirectional RS232, and Ethernet pass-through capabilities make the DIGI-BSR-4K 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 DIGI-BSR-4K allows a second device to share the 100BaseT Ethernet pass-through connection without adding additional hardware to the installation.

The DIGI-BSR-4K is compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.



Input/Output Connections	
HDMI Output	One (1) HDMI Type A Receptacle
HDBaseT Port	One (1) 8P8C port (Shielded RJ45)
Digital Audio Output	One (1) RCA Connector
Analog Audio Output	One (1) 3-pin Removable Terminal Block Connector
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
USB	One (1) USB Type A Receptacle
Supported Audio, Video and Control	
Input Video Resolutions	SMPTE: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, UHD/30 VESA: Resolutions up to 1920x1200 Color Depth: 24, 30, 36, 48bit
Output Video Resolutions	SMPTE: 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 solid core Category 5e or greater with TIA/EIA-568B crimp pattern (no couplers in-line)
Bandwidth	10.2 Gbps
HDBaseT Chipset	VS100RX
Chassis and Environmental	
Construction	Black Steel
Dimensions (H x W x D)	25 mm x 234.4 mm x 143.2 mm (0.98 in x 9.23 in x 5.64 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	12V DC 3A
Power Output (HDBaseT In and LAN PoE ports)	48V DC PoH (Power over HDBaseT) at 15 watts
Power over Ethernet (PoE) Compatibility	802.3af Alternative A
Maximum Power Consumption	35 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 (2 ea)
Optional Accessories	IR emitter (DIGIB-EMT), IR receiver (DIGIB-EYE)
HDBaseT Transmitter (A/V, PoE, Control) Compatibility, 100 m maximum distance	DIGI-HDX-S, INT-HDX100-TX, INT-44HDX, INT-66HDX, INT-88HDX
HDBaseT Transmitter (A/V, PoE, Control) Compatibility, 70 m maximum distance	DIGI-HD60C-R, FLX-64, INT-HD70-TX, DIGI-1X4B-1H, FLX-44, AS-1H1V, AS-1H1V-WP, AS-1H1DP, AS-1H1DP-WP, AS-2H, AS-2H-WP, ASW-WP
HDBaseT Transmitter (A/V, Control) Compatibility	FLX-BO4A, DIGI-P123, DIGI-44B, DIGI-88B
HDBaseT Transmitter (A/V and PoE) Compatibility	DIGI-HD60-S, DIGI-HD60-WP-S

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