Specifications

eLink 100

NOTE: *Appropriate DVI-D to HDMI cables or adapters are required for DVI signal input/output.

Video

Maximum data rate	6.75 Gbps (2.25 Gbps per color)
Maximum pixel clock	148.5 MHz
Resolution range	Up to 1080p @ 60 Hz; 8, 10, or 12 bit color depth and VESA up to 1920x1080 @ 60 Hz
Supported resolutions	720 (1440)x480 [1], 640x480 [1], 720x480 [1], 720 (1440)x576 [2], 720x576 [2], 1280x720 [3], 1920x1080 [3,4], 1366x768 [5], 1440x900 [5], 1400x1050 [5], 1600x900 [5], 1680x1050 [5], 640x480 [6], 800x600 [7], 1024x768 [8], 1280x720 [9], 1920x1080 [3,9] [1] = 60 Hz, and 59.94 Hz [2] = 50 Hz [3] = 50 Hz, 60 Hz, and 59.94 Hz [4] = 50 Hz, 60 Hz, 23.98 Hz, 24 Hz, 25 Hz, 59.94 Hz, 29.97 Hz, and 30 Hz [5] = 60 Hz [6] = 72 Hz, and 59.94 Hz [7] = 60 Hz, and 72 Hz [8] = 60 Hz, and 70 Hz [9] = 50 Hz, 60 Hz, 23.98 Hz, 24 Hz, 59.94 Hz, 29.97 Hz, and 30 Hz
Formats	RGB and YCbCr digital video
Standards	DVI 1.0, HDMI, HDCP 2.0
Signal transmission distance	Up to 100 ft (30 m)

Video input — transmitter

Number/signal type	1 single link HDMI (or DVI-D*)
Connector	1 female HDMI type A

Video output — receiver

Number/signal type	1 single link HDMI (or DVI-D*)
Connector	1 female HDMI type A

Audio

Supported formats	PCM, Dolby Digital 2/0, Dolby Digital 2/0 Surround, Dolby Digital 5.1, Dolby Digital Surround EX, DTS 2-channel, DTS Digital Surround 5.1, DTS 96/24

Communications

IR control port (Rx)	Included IR remote control
IR pass-through control port (Rx to Tx)	Unidirectional, 38 KHz

Signal characteristics

HDCP compliant	Yes
Bandwidth	40 MHz
Transmission distance	100 ft (30 m)

Operating frequency	
Non-DFS center frequencies ...	USA/Canada: 5.19 ~ 5.23, 5.755 ~ 5.795 GHz EU: 5.19 ~ 5.23 GHz Australia: 5.19 ~ 5.23 GHz
DFS center frequencies	USA/Canada: 5.27 ~ 5.59, 5.67 GHz EU: 5.27 ~ 5.67 GHz Australia: 5.27 ~ 5.55 GHz, 5.67 GHz
System latency	<1 ms
Security Encryption Standards	AES-128

General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 5 VDC, 2.6 A, 13 watts
Power consumption	
Transmitter	
Device	7.5 watts, 5 VDC
Device and power supply...	8.8 watts, 100-240 VAC, 50-60 Hz
Receiver	
Device	7.5 watts, 5 VDC
Device and power supply...	9.0 watts, 100-240 VAC, 50-60 Hz
Temperature/humidity	Storage: -4 to +176 °F (-20 to +80 °C) / 10% to 90%, noncondensing Operating: +32 to +104 °F (0 to +40 °C) / 10% to 90%, noncondensing
Cooling	Convection
Thermal dissipation	
Transmitter	
Device	24.4 BTU/hr
Device and power supply...	28.9 BTU/hr
Receiver	
Device	24.4 BTU/hr
Device and power supply...	29.6 BTU/hr
Mounting	
Wall mount	Yes
Enclosure type	Plastic
Enclosure dimensions	
Transmitter	1.4" H x 3.2" W x 4.0" D (3.6 cm H x 8.0 cm W x 10.2 cm D)
Receiver	1.3" H x 3.7" W x 3.7" D (3.4 cm H x 9.5 cm W x 9.5 cm D)
Product weight	
Transmitter	0.3 lbs (0.1 kg)
Receiver	0.3 lbs (0.1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety.....	UL, c-UL, CE
EMI/EMC	CE, C-tick, FCC Class B, ICES, VCCI, KC
Environmental.....	Complies with the appropriate requirements of RoHS, WEEE
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

NOTE: Shipping dimensions and weights are available at **www.extron.com**.

4054-D4