

Christie

Terra Transmitter



Technical specifications		Christie TXO 102 SO (166-001102-01)
Video in		<ul style="list-style-type: none"> • One switchable input: HDMI or DisplayPort™ • Input format: HDMI 2.0a, DisplayPort 1.2 • Content protection: HDCP 2.2 compliant • Maximum resolution: 4096 x 2160, 60Hz, 8-bit 4:4:4, 10-bit 4:2:2, 10-bit and 12-bit 4:2:0 • HDR, 3D and Deep Color pass through support • Maximum bandwidth: 594 MHz
Audio in		<ul style="list-style-type: none"> • Analog stereo: line level, 3.5mm stereo mini-jack • HDMI embedded audio: multi-channel PCM, Dolby® True HD, DTS-HD Master Audio
Routable control ports		<ul style="list-style-type: none"> • Serial RS-232: 9-PinD, up to 115.2K baud • Wired IR in: 3.5mm stereo mini-jack • Wired IR out: 3.5mm DC mini-jack • USB 2.0: type-B plug • Ethernet (1000BaseT) RJ45
Video processing		<ul style="list-style-type: none"> • Video is uncompressed, except 4K/60 input formats including 8-bit 4:4:4, 10-bit 4:2:2, 10-bit and 12-bit 4:2:0. Ultra-lightweight 1.3-to-1 compression ratio is used for these formats which is artifact-free • Color space, bit depth and frame rate conversion • Broadcast quality down-scaling and up-scaling
Latency		<ul style="list-style-type: none"> • Zero-frame latency mode: < 100µs, see reference guide for details
Network		<ul style="list-style-type: none"> • 10G Ethernet via SFP+ with multimode 10GBASE-SR transceiver included • Supports fiber and copper SFP+ interfaces • In-band control supported over 10G content transport • 1G Ethernet (1000BaseT, RJ45) for optional out-of-band management • Network Protocols: IP, TCP, UDP, IPv4, IGMPv2 • Content encrypted with AES 128-bit security
Front panel LED indicators		<ul style="list-style-type: none"> • Link validation for: video signal, transmit, receive, 1G Ethernet, USB, power • Button 1: switch input • Button 2: programmable (future)
Dimensions		<ul style="list-style-type: none"> • (WxHxD) 8.41 x 1.66 x 6.22" (213.5 x 42 x 158mm) case only • (WxHxD) 8.41 x 1.66 x 6.50" (213.5 x 42 x 165mm) including connectors
Sound pressure		<ul style="list-style-type: none"> • Less than 38dBA on a tabletop from a distance of 0.5m (typical)
Material		<ul style="list-style-type: none"> • Steel, painted black
Environment	operating temperature	<ul style="list-style-type: none"> • 32-104°F (0-40°C)
	storage temperature	<ul style="list-style-type: none"> • -4-140°F (-20-60°C)
	operating humidity	<ul style="list-style-type: none"> • 20-90% RH (non-condensing)
External power supply	input	<ul style="list-style-type: none"> • 100-240 VAC @ 50-60Hz
	output	<ul style="list-style-type: none"> • 12V DC, 3.0A, 36W maximum
	typical operation	<ul style="list-style-type: none"> • 10W, 35 BTU
Weight		<ul style="list-style-type: none"> • 2.3lbs (1.1kg) excluding power supply • 2.8lbs (1.3kg) with power supply
Reliability		<ul style="list-style-type: none"> • MTBF > 50,000 hours • MTTR < 15 minutes
Regulatory		<ul style="list-style-type: none"> • CE/FCC Class A, Directives (EC) 2011/65/EU (RoHS), 2012/19/EU (WEEE), Regulation (EC) No. 1907/2006 (REACH)
Manufacturing location		<ul style="list-style-type: none"> • Designed and developed in Canada, USA and Taiwan • Manufactured in Taiwan
Warranty		<ul style="list-style-type: none"> • Limited two years parts and labor
UPC		<ul style="list-style-type: none"> • 723466962605

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