AVITECH

Pacific X-IPTR Series

The Pacific X-IPTR and X-IPTRS are all-in-one standalone transceivers. Both can configure themselves fully automatically as a receiver or a transmitter depending on how the unit is connected. Being a receiver, it displays signal received through the IP network on the output device. While used as a transmitter, it automatically scans through input connectors for HDMI/DVI, VGA, and SDI signal presence and encodes the signal for over IP transmission. In addition to X-IPTR and X-IPTRS transceivers, the Pacific X-IPRW is a receiver for configuring multiple monitor user space, and the Pacific X-IPRG provides graphic user interface for the management of all transmitters and receivers on LAN.

Over LAN with gigabit IGMP managed Ethernet switch, the Pacific X-IPTR, X-IPTRS, X-IPRW, and X-IPRG extend video at UHD resolutions with no more than one frame delay. Point-to-point, one-to-many, and any-to-any extension and switching can be managed with user-friendly icon-based GUI. These standalone transceiver and receiver boxes work with other Avitech's over IP products* in providing a complete over IP solution family. Altogether they facilitate engineering of oIP ecosystems for wide variety of applications, ranging from simple one-to-one KVM and AV extension to tens, hundreds, and thousands of points switching with extensive database management of all transmission and receiving devices on LAN.

Pacific X-IPtH, Pacific X-IPr, Pacific X-IPT, Sequoia UHD/IPt/IPr/KM/UHD2HD

FEATURES

→ Standalone transceiver and receiver extend KVM and AV over IP with copper cable (CAT5e/6) or optical fiber (SFP)

→ Transmission over LAN with no more than one frame latency

→ Pacific X-IPTR transmitter support active HDMI looping output for local monitoring confirmation

→ Pacific X-IPTR, X-IPRW, and X-IPRG receivers support nearby PC connection for using the same monitor and keyboard/mouse

→ Pacific X-IPRW receiver support multi-monitor user space configuration

→ Pacific X-IPRG incorporates GUI for management of all Tx/Rx on LAN

→ USB supports HID for keyboard, mouse, touch-screen and other USB device extensions

→ Transmits HDMI with resolutions up to 4K UHD with 10-bit Deep Color

→ Support VESA DDC and Hot-Plug Detect (HPD) for easy plug-and-play installation

→ Provide stereo audio output for monitoring (audio in PCM output)

→ Dolby® TrueHD and DTS-HD master audio pass-through

→ Incorporates HDMI® technology (HDCP 1.4 compliant)

→ Class B EMI and EMC certification applicable for industrial, office, and residential KVM and AV extension or over IP switching

SPECIFICATIONS

Transmitter	Pacific X-IPTR (S)		Pacific X-IPTRS (S)	
VIDEO SUPPORT	**HDMI** 4096x2160 @25/30 Hz 1080p @50/60 Hz 1080i @50/60 Hz **DVI-D** Up to 1080p @50/60 Hz	**VGA** Up to 1080p @50/60 Hz	**HDMI** 4096x2160 @25/30 Hz 1080p @50/60 Hz 1080i @50/60 Hz **DVI-D** Up to 1080p @50/60 Hz	**VGA** Up to 1080p @50/60 Hz **SDI** 3G-SDI (SMPTE 424 M) HD-SDI (SMPTE 292 M) SD-SDI (SMPTE 259 M)
LOOP OUT	Yes (HDMI)		Yes (VGA/SDI converted loop out)	
COLOR DEPTH	8-bit/10-bit		8-bit/10-bit (SDI)	
HDCP 1.4 COMPLIANT	Yes		-	
DVI SUPPORT	Yes (via a DVI to HDMI adapter)		-	
IR CONTROL	IR transmitter (IR blaster or via an IR blaster extension cable)			
DIMENSION (LxWxH)	9.46×6.85×1.70 inch (240.22×174.00×43.20 mm)			
WEIGHT	1.29 lb (585 g)			

Receiver	Pacific X-IPTR (S)	Pacific X-IPTRS (S)	Pacific X-IPRW (S)	Pacific X-IPRG (S)
VIDEO SUPPORT	**HDMI** Up to 4096x2160 25/30 Hz			
LOCAL SYSTEM CONNECTION / VIDEO SOURCE	Yes (via HDMI input and USB-B for keyboard/mouse connection from the remote computer)			
COLOR DEPTH	8-bit / 10-bit			
USB HID & HUB	Yes (via USB-A)			
IR CONTROL	IR receiver sensor			
DIMENSION (LxWxH)	9.46×6.85×1.70 inch (240.22×174.00×43.20 mm)	9.46×6.85×1.70 inch (240.22×174.00×43.20 mm)	8.58×6.85×1.70 inch (217.86×174.00×43.20 mm)	7.42×6.86×1.74 inch (188.50×174.20×44.40 mm)
WEIGHT	1.29 lb (585 g)	1.29 lb (585 g)	1.76 lb (800 g)	1.50 lb (680 g)

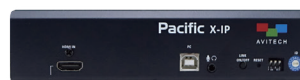|	
PROTOCOL	TCP, UDP, DHCP, IGMP, Multicast
VIDEO BANDWIDTH	Single link 297 MHz
EXTENSION DISTANCE	KVMoIP ❖ Point-to-point: extends UltraHD 4K (4096x2160 @25/30 Hz) up to 328 ft (100 m) ❖ Use IGMP network switch for greater distance SFP ❖ Distance gigabit SFP dependent; from 328 yard (300 m) to 74 mile (120 km)
AUDIO SUPPORT (PASS-THROUGH)	Surround sound (7.1 ch), Dolby® TrueHD and DTS-HD
AUDIO MONITORING	Embedded audio analog stereo, microphone (via stereo phono jack)
IR CARRIER FREQUENCY	38~56 kHz
POWER REQUIREMENTS	12V/2.5A DC adapter / Max. 15 Watt
TEMPERATURE	Operation: 0 °C (32 °F) to 40 °C (104 °F) Storage: -10 °C (14 °F) to 50 °C (122 °F)
HUMIDITY	0% to 80% relative, non-condensing
SAFETY REGULATION	FCC, CE, C-Tick, Class B

Front Panel View

Pacific X-IPTR   Pacific X-IPTRS   Pacific X-IPRW   Pacific X-IPRG

Rear Panel View

Multiviewers | KVM Switchers | Wall Processors | Converters | Extenders | HDMI/SDI Switchers | Distribution Amplifiers

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