



Pacific X-IPt / X-IPr

The Pacific X-IPt and X-IPr are standalone transmitter and receiver boxes for KVM and AV over IP solutions. Flexibly supporting copper or optical fiber connection, HDMI/DVI and USB signals can be transmitted over distance in a point-to-point extension or via an IP network for any-to-any switching. In addition to the HDMI, models for VGA and SDI signals are also available (future option).

Along with video and USB signal transmission, the Pacific X-IPt and X-IPr also transfer control signals, e.g. IR and RS-232, over local area networks. Moreover, each Pacific X-IPt supports HDMI looping output for local monitoring. At the receiving end, the Pacific X-IPr provides HDMI and USB connections for viewing and operation of a system nearby using the same monitor and keyboard/mouse. With support of USB HID, the Pacific X-IPr can also be used in touch-screen operations.

Over LAN with gigabit IGMP managed Ethernet switch, the Pacific X-IPt and X-IPr standalone boxes 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 achieved with either transmitter and receiver ID mapping or managed with user-friendly icon-based GUI by using Pacific X-IPRG. 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 a 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-IPTR, Pacific X-IPRW, Pacific X-IPRG, Sequoia UHD/IPt/IPr/KM/UHD2HD

FEATURES

- Standalone transmission and receiving boxes 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
- Transmit HDMI with resolutions up to 4K UHD with 10-bit Deep Color
- Pacific X-IPtH transmitter support active HDMI looping output for local monitoring confirmation
- Pacific X-IPr receiver support nearby PC connection for using the same monitor and keyboard/mouse
- USB support HID for mouse, keyboard, touch-screen and other USB device extensions
- 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
- Incorporate HDMI® technology (HDCP 1.4 compliant)
- Light weight and fan-less for easy installation and quiet operation
- Class B EMI and EMC certification applicable for industrial, office, and residential KVM and AV extension or over IP switching

SPECIFICATIONS

Transmitter	Pacific X-IPtHc/f	Pacific X-IPtVc/f	Pacific X-IPtSc/f
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	3G-SDI (SMPTE 424 M) HD-SDI (SMPTE 292 M) SD-SDI (SMPTE 259 M)
LOOP OUT	Yes (HDMI)	HDMI output converted from VGA	Yes (SDI)
COLOR DEPTH	8-bit/10-bit	8-bit	8-bit/10-bit
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)	6.98x6.42x1.22 inch (177.42x163.00x31.00 mm)		
WEIGHT	0.84 lb (380 g)		
Receiver	Pacific X-IPr		
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)		
COLOR DEPTH	8-bit/10-bit		
USB HID & HUB	Yes (via USB-A)		
IR CONTROL	IR receiver		
DIMENSION (LxWxH)	8.87x6.85x1.22 inch (225.40x174.00x31.00 mm)		
WEIGHT	1.21 lb (550 g)		
PROTOCOL	TCP, UDP, DHCP, IGMP, Multicast		
VIDEO BANDWIDTH	Single link 297 MHz		
EXTENSION DISTANCE	KVMoIP <ul style="list-style-type: none"> ❖ Point-to-point: extends UltraHD 4K (4096x2160 @25/30 Hz) up to 328 ft (100 m) ❖ Use IGMP network switch for greater distance SFP <ul style="list-style-type: none"> ❖ 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		

Specifications and data are subject to change without notice.

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Pacific X-IPt



Pacific X-IPr



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

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