



P2P-KHR302

Point-to-Point Dual-Head HDMI CAT5 & Fiber Receiver with USB 2.0 and Audio

P2PKVM Series High-Performance KVM-over-IP Extender & Matrix Solution Designed for mission-critical environments, it delivers ultra-low latency, high-resolution video, and secure connectivity over IP networks, ensuring efficient system control and flexibility.

FEATURES



Selectable Direct, Matrix and SaviGate modes via web interface



Supports HDMI Video up to 4K @ 30Hz or 1080p @ 60Hz



Transparent USB 2.0 extension for peripherals



SaviGate Gateway support for centralized management (sold separately)



Ultra-low latency JPEG2000 compression



Plug-and-play installation



Analog audio passthrough



EDID learning and management



Up to 100 m over CATx or up to 10 km over Fiber

IDEAL USE CASES



AV and IT extension for secure environments



Digital signage and workspace centralization



Medical and industrial command centers



Military and government operations



Broadcast and production control rooms

HOW IT WORKS

Flexible KVM extension and switching

The P2P-KHR310 can operate in multiple modes depending on your application needs:



Direct Mode

Simple point-to-point extension without configuration

Supports: 1 Transmitter / 1 Receiver



Matrix Mode

OSD-based multi-user KVM switching across a network

Supports: Up to 64 Transmitters / 8 Receivers

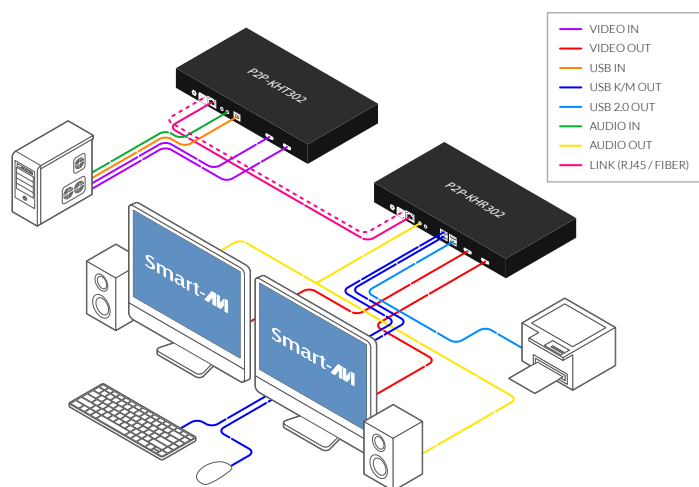


SaviGate Mode

Centralized management, access control, and advanced routing when integrated with a SaviGate controller

Supports: Up to 128 Transmitters / 16 Receivers

Modes are easily changed using a simple dropdown menu within the web browser interface of each unit.



COMPATIBLE TRANSMITTERS

Pairs with the following transmitter models for point-to-point operation:

- **P2P-KVT302** - DVI Transmitter via CATx & Fiber
- **P2P-KHT302** - HDMI Transmitter via CATx & Fiber
- **P2P-KDT302** - HDMI Transmitter via CATx & Fiber

SPECIFICATIONS

Video OUT

Format	HDMI 1.4 & HDCP 1.4 Compliant, Video Bandwidth Up to 10.2 Gbps
Video Resolution	Up to 4K @ 30 Hz, 1080p @ 60 Hz
Connector	(2) HDMI (19-Pin female)

System

Interface	EDID Storage & Emulation
Transmission Distance	CAT5: Up to 100 m; LC Connector Fiber Multimode: Up to 500 m; Fiber Single Mode: Up to 10 km
Compression	Ultra-Low Latency JPEG2000
Management	Selectable Direct, Matrix, SaviGate Gateway support for centralized management (sold separately)

Audio

Format	PCM 2.0/2.1/5.1/7.1, Dolby Digital 5.1 ch, Dolby Digital Plus, Dolby TrueHD, DTS 5.1 ch
In/Output Interface	3.5 mm Stereo Aux Socket (female)

USB

Output Interface	(4) USB Type A, USB 2.0, USB 1.1, USB 1.0 compatible
KM	Keyboard & Mouse Emulation

Other

Power	12 V DC, 3 A (Power Supply Included)
Reliability (MTBF)	135,540 Hours (MIL-HDBK-217F (N2) Parts Count Prediction Calculator)
Environmental Operating Temperature	0°C to 45°C (32°F to 113°F)
Environmental Operating Humidity	10% to 90%, non-condensing
ESD Protection	Protection per IEC 61000-4-2 Standard at ±30 kV Air and ±30 kV Contact
Support Warranty	1-Year
Certification	CE, FCC, RCM, UL
Dimensions	11.5"W x 5.25"D x 1.7"H
Weight	1.81 lbs 0.82 kg

ORDERING DETAILS

P2P-KHR302-S	Point-to-point Dual-Head HDMI CAT5 & Fiber Receiver with USB 2.0 and Audio. [P2P-KHR302, PS5VD3A]
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