P2P-KHR300

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

Extend, control, and manage your HDMI-based workstation over IP with the P2P-KHR300. Supporting flexible Direct, Matrix, and SaviGate modes, the P2P-KHR300 adapts to your installation needs — from simple point-to-point extensions to full multi-user managed environments — over CAT5 or Fiber.

FEATURES

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

Transparent USB 2.0 extension for peripherals

Analog audio passthrough

Selectable Direct, Matrix, and Savigate modes via web interface

Savigate Gateway support for centralized management (sold separately)

Up to 100m over CATx / 10km over fiber

Ultra-low latency JPEG2000 compression

Plug-and-play installation

EDID learning and management

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
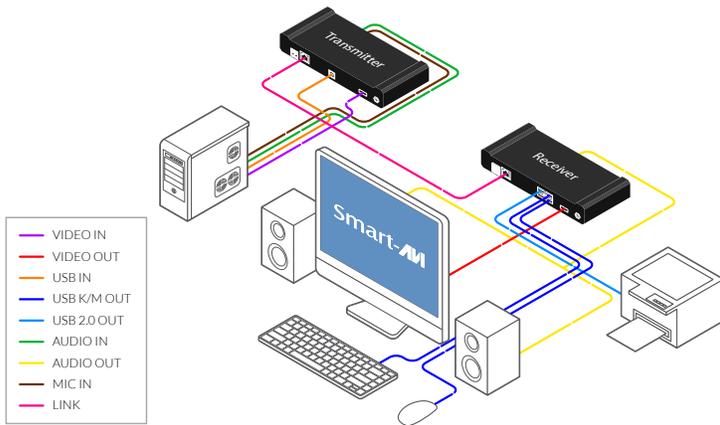**Supports:** Up to 64 Transmitters / 8 Receivers

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.

Legend:
- VIDEO IN
- VIDEO OUT
- USB IN
- USB K/M OUT
- USB 2.0 OUT
- AUDIO IN
- AUDIO OUT
- MIC IN
- LINK

COMPATIBLE TRANSMITTERS

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

- **P2P-KVT300** - DVI Transmitter via CATx & Fiber
- **P2P-KHT300** - HDMI Transmitter via CATx & Fiber
- **P2P-KDT300** - DisplayPort Transmitter via CATx & Fiber

SPECIFICATIONS

Video OUT

Format	HDMI1.4 & HDCP1.4 Compliant, Video Bandwidth up to 10.2 Gbps
Video Resolution	Up to 4K @ 30 Hz; 1080p @ 60 Hz
Connector	(1) HDMI (19-Pin female)

System

Interface	EDID Storage & Emulation
Transmisssion 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	9.5"W x 5.25"D x 1.7"H
Weight	1 lbs 0.45 kg

ORDERIING DETAILS

P2P-KHR300-S	Point-to-point Single-Head HDMI CAT5 & Fiber Receiver with USB 2.0 and Audio. [P2P-KHR300, PS5VD3A]