



P2P-KHT300

Point-to-Point Single-Head HDMI CAT5 & Fiber Transmitter with USB 2.0, Audio, and Optional RS-232.

Extend, control, and manage your HDMI-based workstation over IP with the P2P-KHT300. Supporting flexible Direct, Matrix, and SaviGate modes, the P2P-KHT300 adapts to your installation needs — from simple point-to-point extensions to full multi-user managed environments — over CATx or Fiber.

FEATURES



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



Transparent USB 2.0 extension for peripherals



Analog audio and Optional RS-232 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-KHT300 can operate in multiple modes depending on your application needs:



Direct Mode

Simple point-to-point extension without configuration



Matrix Mode

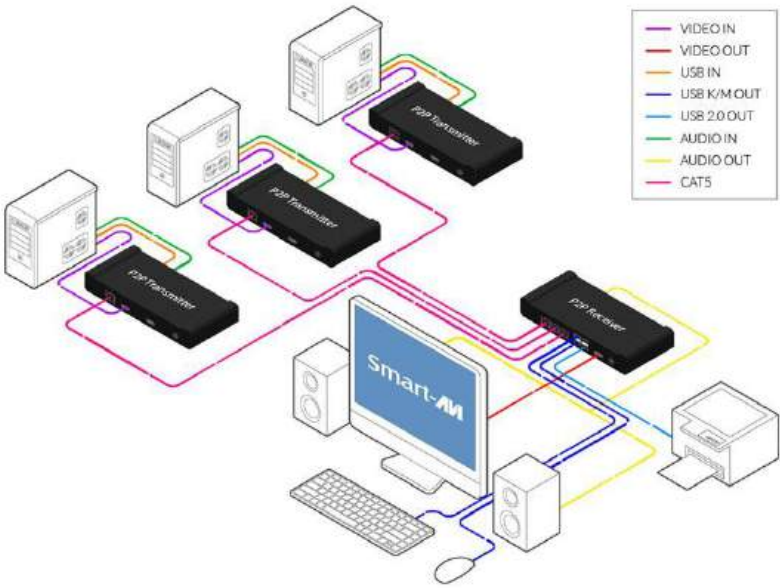
OSD-based multi-user KVM switching across a network



SaviGate Mode

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

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



COMPATIBLE TRANSMITTERS

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

- **P2P-KVR300** - DVI Receiver via CATx & Fiber
- **P2P-KHR300** - HDMI Receiver via CATx & Fiber
- **P2P-KDR300** - DisplayPort Receiver 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
Connector	1× HDMI (19-Pin Female)
System	
Interface	EDID Storage & Emulation
Transmission Distance	Up To 100 m; LC Connector Fiber Multimode: Up to 500 m; Fiber Single Mode: Up to 10 km
Compression	Ultra-Low Latency JPEG2000
Optional RS-232	Optional Pass-Through up to 115200
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	
Out	USB Type B, 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 1.70"H
Weight	1.41lbs and 0.63kg

ORDERING DETAILS

P2P-KDR302-S	Point-to-point Dual-Head DP CAT5 & Fiber Receiver with USB 2.0, Audio and Optional RS-232. [P2P-KDR302, PS12VD3A]
--------------	---