



# P2P-KHT100

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

Extend, control, and manage your HDMI-based workstation over IP with the P2P-KHT100. Supporting flexible Direct, Matrix, and SaviGate modes, the P2P-KHT100 adapts to your installation needs — from simple point-to-point extensions to full multi-user managed environments — over CATx

## 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-KHT100 can operate in multiple modes depending on your application needs:



### Direct Mode

Simple point-to-point extension without configuration



### Matrix Mode

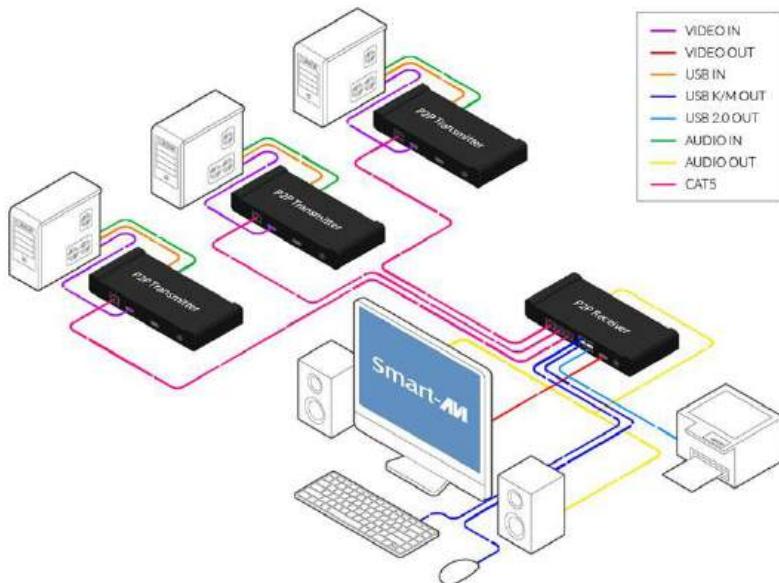
OSD-based multi-user KVM switching across a network



### 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 transmitter models for point-to-point operation:

- **P2P-KVR100** – DVI Receiver via CATx
- **P2P-KHR100** – HDMI Receiver via CATx
- **P2P-KDR100** – DisplayPort Receiver via CATx

## SPECIFICATIONS

Video OUT		USB	
Format	HDMI 1.4 & HDCP 1.4 Compliant, Video Bandwidth Up To 10.2 Gbps	Out	USB Type B, USB 2.0, USB 1.1, USB 1.0 compatible
Video Resolution	Up To 4K @ 30 Hz, 1080p @ 60 Hz	KM	Keyboard & Mouse Emulation
Connector	1x HDMI (19-Pin Female)	Other	
System		Power	12 V DC, 3 A (Power Supply Included)
Interface	EDID Storage & Emulation	Reliability (MTBF)	135,540 Hours (MIL-HDBK-217F (N2) Parts Count Prediction Calculator)
Transmission Distance	Up To 100 m; LC Connector Fiber Multimode: Up to 500 m; Fiber Single Mode: Up to 10 km	Environmental Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)
Compression	Ultra-Low Latency JPEG2000	Environmental Operating Humidity	10 % to 90 %, non-condensing
Optional RS-232	Optional Pass-Through up to 115200	ESD Protection	Protection per IEC 61000-4-2 Standard at ±30 kV Air and ±30 kV Contact
Management	Selectable Direct, Matrix, SaviGate Gateway support for centralized management (sold separately)	Support Warranty	1-Year
Audio		Certification	CE, FCC, RCM, UL
Format	PCM 2.0/2.1/5.1/7.1, Dolby Digital 5.1 ch, Dolby Digital Plus, Dolby TrueHD, DTS 5.1 ch	Dimensions	4.25"W x 3.70"D x 1.6"H
In/Output Interface	3.5 mm Stereo Aux Socket (Female)	Weight	1 lbs 0.45kg

## ORDERING DETAILS

P2P-KHT300-S	HDMI Transmitter with Single Head support, Point-to-Point mode over CATx & Fiber connection. [P2P-KHT300, PS5VD2A]
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