



# P2P-KHT302

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

P2PKVM Series High-Performance KVM-over-IP Extender & Matrix Solution. Designed for mission-critical environments, it delivers ultra-low latency, dual HDMI video, and secure connectivity over CAT5 and Fiber networks, ensuring efficient system control and flexibility.

## FEATURES



Selectable Direct, Matrix, and SaviGate modes via web interface



Supports HDMI up to 3840×2160 @30Hz or 2560×1600 @60Hz on two monitors



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 and RS-232 passthrough



EDID learning and management



Up to 100 m over CATx / 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-KHT302 can operate in multiple modes depending on your application needs:



### Direct Mode

Simple point-to-point extension without configuration



### Matrix Mode

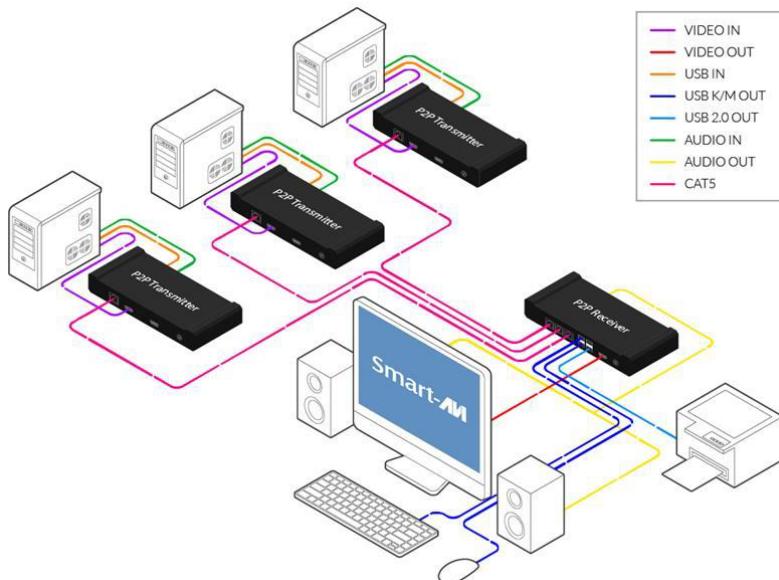
OSD-based multi-user KVM switching across a network



### 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-KVR302** - Dual-Head DVI Receiver via CATx & Fiber
- **P2P-KHR302** - Dual-Head HDMI Receiver via CATx & Fiber
- **P2P-KDR302** - Dual-Head DisplayPort Receiver via CATx & Fiber

## 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 (each output)	KM	Keyboard & Mouse Emulation
Connector	2x HDMI (19-Pin Female)	Other	
System			Power
Interface	EDID Storage & Emulation		12 V DC, 3 A (Power Supply Included)
Transmission Distance	Up To 100 m; LC Connector Fiber Multimode: Up to 500 m; Fiber Single Mode: Up to 10 km		135,540 Hours (MIL-HDBK-217F (N2) Parts Count Prediction Calculator)
Compression	Ultra-Low Latency JPEG2000		Environmental Operating Temperature
RS-232	Optional Pass-Through up to 115200		0 °C to 45 °C (32 °F to 113 °F)
Management	Selectable Direct, Matrix, SaviGate Gateway support for centralized management (sold separately)		Environmental Operating Humidity
Audio			10 % to 90 %, non-condensing
Format	PCM 2.0/2.1/5.1/7.1, Dolby Digital 5.1 ch, Dolby Digital Plus, Dolby TrueHD, DTS 5.1 c		ESD Protection
In/Output Interface	3.5 mm Stereo Aux Socket (Female)		Protection per IEC 61000-4-2 Standard at ±30 kV Air and ±30 kV Contact
Format		Support Warranty	1-Year
In/Output Interface		Certification	CE, FCC, RCM, UL
Format		Dimensions	11.5"W x 5.25"D x 1.70"H
In/Output Interface		Weight	1.81lbs and 0.82kg

## ORDERING DETAILS

P2P-KHT302-S	HDMI Transmitter with Single Head support, Point-to-Point mode over CATx & Fiber connection. [P2P-KHT302, PS5VD2A]
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