



# P2P-KVT302

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

P2PKVM Series High-Performance KVM-over-IP Extender & Matrix Solution. Designed for mission-critical environments, it delivers ultra-low latency, dual DVI 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 DVI up to 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 Optional 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-KVT302 can operate in multiple modes depending on your application needs:



Direct Mode

Simple point-to-point extension without configuration



Matrix Mode

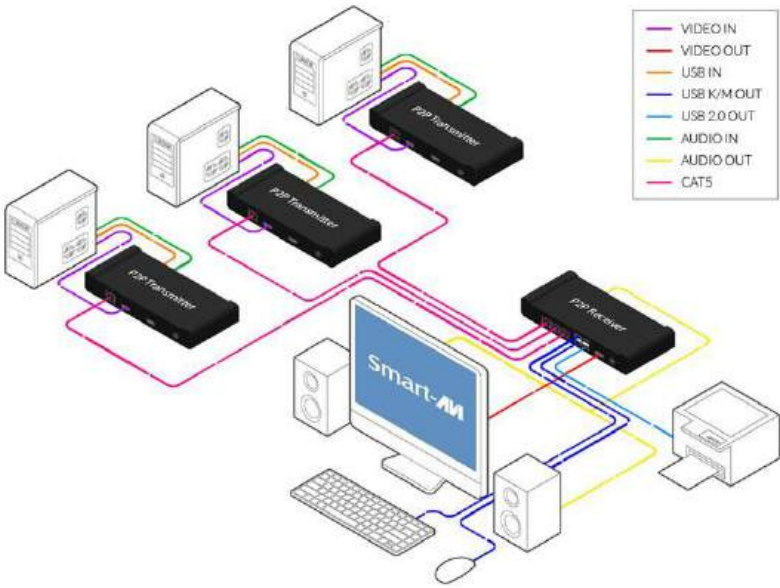
OSD-based multi-user KVM switching across a network



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

SPECIFICATIONS

Video OUT		USB	
Format	DVI-D Dual-Link Dual-Head, Video Bandwidth Up To 9.9 Gbps per channel	Out	USB Type B, USB 2.0, USB 1.1, USB 1.0 compatible
Video Resolution	Up To 2560 × 1600 @ 60 Hz (each head)	KM	Keyboard & Mouse Emulation
Connector	2× DVI-D Dual-Link (25-Pin Female)		
System		Other	
Interface	EDID Storage & Emulation	Power	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	Reliability (MTBF)	135,540 Hours (MIL-HDBK-217F (N2) Parts Count Prediction Calculator)
Compression	Ultra-Low Latency JPEG2000	Environmental Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)
Optional RS-232	Optional Pass-Through up to 115200	Environmental Operating Humidity	10 % to 90 %, non-condensing
Management	Selectable Direct, Matrix, SaviGate Gateway support for centralized management (sold separately)	ESD Protection	Protection per IEC 61000-4-2 Standard at ±30 kV Air and ±30 kV Contact
Audio		Support Warranty	1-Year
Format	PCM 2.0/2.1/5.1/7.1, Dolby Digital 5.1 ch, Dolby Digital Plus, Dolby TrueHD, DTS 5.1 ch	Certification	CE, FCC, RCM, UL
In/Output Interface	3.5 mm Stereo Aux Socket (Female)	Dimensions	11.5"W x 5.25"D x 1.70"H
		Weight	1.81lbs and 0.82kg

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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