



# P2P-KVR302

Point-to-Point Dual-Head DVI-D CAT5 & Fiber Receiver with USB 2.0 and Audio

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

## FEATURES



Selectable Direct, Matrix and SaviGate modes via web interface



Supports DVI-D Video up to 2K @ 60Hz



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 passthrough



EDID learning and management



Up to 100 m over CATx or up to 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-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

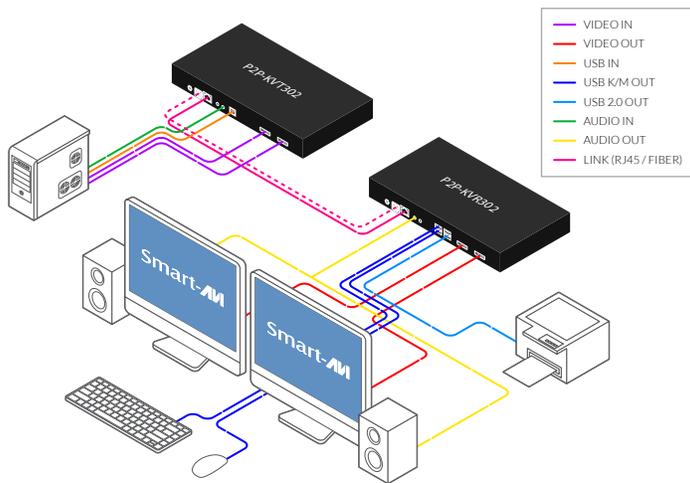


### SaviGate Mode

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.



## COMPATIBLE TRANSMITTERS

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

- **P2P-KVT302** - DVI Transmitter via CATx & Fiber
- **P2P-KHT302** - DVI-D Transmitter via CATx & Fiber
- **P2P-KDT302** - DVI-D Transmitter via CATx & Fiber

## SPECIFICATIONS

Video OUT	
Format	DVI-D Dual-Link Compliant, Video Bandwidth up to 9.9 Gbps
Video Resolution	Up to 2560x1600 @ 60 Hz
Connector	(2) DVI-D (25-Pin female)

System	
Interface	EDID Storage & Emulation
Transmission 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	11.5"W x 5.25"D x 1.7"H
Weight	1.81 lbs 0.82 kg

## ORDERING DETAILS

P2P-KVR302-S	Point-to-point Dual-Head DVI-D CAT5 & Fiber Receiver with USB 2.0 and Audio. [P2P-KVR302, PS5VD3A]
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