



# P2P-KDR302

Point-to-point Dual-Head DP CAT5 & Fiber Receiver 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, 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 DP video up to 4K @ 30Hz



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-KDR302 can operate in multiple modes depending on your application needs:



### Direct Mode

Simple point-to-point extension without configuration



### Matrix Mode

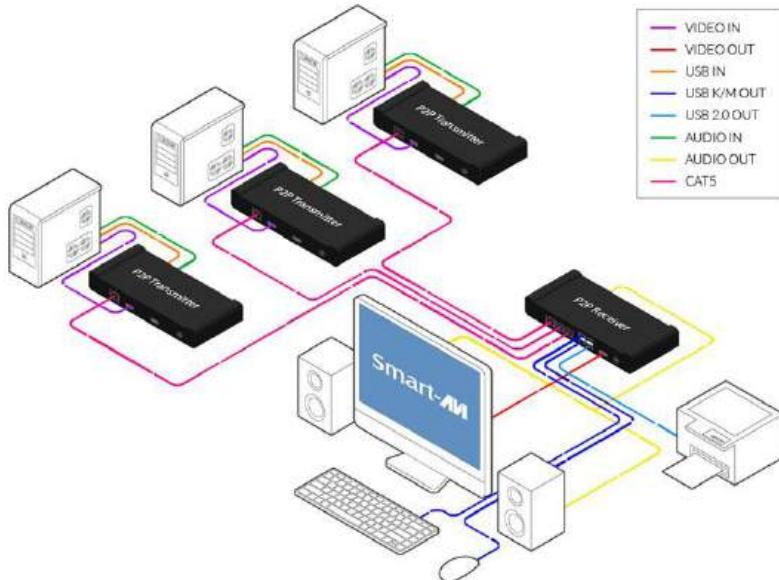
OSD-based multi-user KVM switching across a network



### 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** - DVI Transmitter via CATx & Fiber
- **P2P-KHT302** - HDMI Transmitter via CATx & Fiber
- **P2P-KDT302** - DisplayPort Transmitter via CATx & Fiber

### SPECIFICATIONS

Video OUT		USB	
Format	DisplayPort 1.2 Dual-Head, Video Bandwidth Up To 17.28 Gbps per channel	Out	4x USB Type A Ports, 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 DisplayPort (20-Pin Female)	Other	
System		Power	12v DC, 3A (Power Supply Included)
Interface	EDID Storage & Emulation	Reliability (MTBF)	135,540 Hours (MIL-HDBK-217F (N2) Parts Count Prediction Calculator)
Transmission Distance	Up To 100m; LC Connector Fiber Multimode: Up to 500m; Fiber Single Mode: Up to 10km	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 ±30kV Air and ±30kV 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	11.5"W x 5.25"D x 1.70"H
In/Output Interface	3.5 mm Stereo Aux Socket (Female)	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]