Smart-AVI
SMART AUDIO VIDEO INNOVATION

P2P-KDR300

Point-to-Point Single-Head DisplayPort CAT5 & Fiber Receiver with USB 2.0, Audio, and RS-232.

Extend, control, and manage your DP-based workstation over IP with the P2P-KDR300. Supporting flexible Direct, Matrix, and SaviGate modes, the P2P-KDR300 adapts to your installation needs — from simple point-to-point extensions to full multi-user managed environments — over CATx or Fiber.

FEATURES

Supports HDMI video up to 4K @ 30Hz or 1080p @ 60Hz

Transparent USB 2.0 extension for peripherals

Analog audio and 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

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Flexible KVM extension and switching

The P2P-KDR300 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
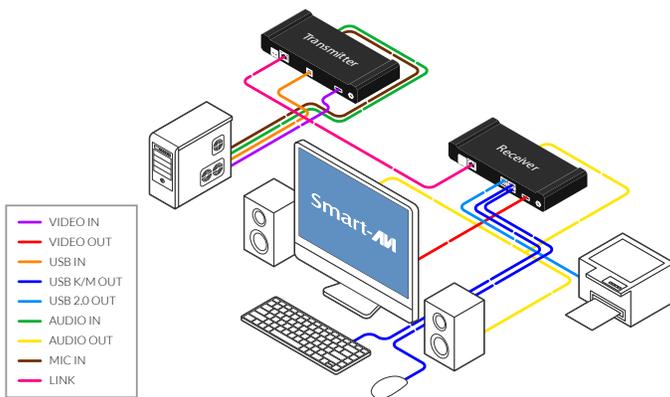**Supports:** Up to 64 Transmitters /
8 Receivers

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.

VIDEO IN
VIDEO OUT
USB IN
USB K/M OUT
USB 2.0 OUT
AUDIO IN
AUDIO OUT
MIC IN
LINK

COMPATIBLE TRANSMITTERS

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

- **P2P-KVT300** – DVI Transmitter via CATx & Fiber

- **P2P-KHT300** – HDMI Transmitter via CATx & Fiber

- **P2P-KDT300** – DisplayPort Transmitter via CATx & Fiber

SPECIFICATIONS

Video OUT	
Format	DisplayPort 1.2 Compliant, Video Bandwidth Up To 17.28 Gbps
Video Resolution	Up To 4K @ 30 Hz
Connector	1× DisplayPort (20-Pin Female)

System	
Interface	EDID Storage & Emulation
Transmission Distance	CAT5: Up To 100m; LC Connector Fiber Multimode: Up to 500m; Fiber Single Mode: Up to 10km
Compression	Ultra-Low Latency JPEG2000
RS-232	Optional Pass-through up to 115200
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	
Out	4x USB Type A Ports, USB 2.0, USB 1.1, USB 1.0 compatible
KM	Keyboard & Mouse Emulation

Other	
Power	12v DC, 3A (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 ±30kV Air and ±30kV Contact
Support Warranty	1-Year
Certification	CE, FCC, RCM, UL
Dimensions	9.5"W x 5.25"D x 1.70"H
Weight	1.41lbs and 0.63kg

ORDERING DETAILS

P2P-KDR300-S	Point-to-point Dual-Head DP CAT5 & Fiber Receiver with USB 2.0, Audio and RS232. [P2P-KDR300, PS12VD3A]