Smart-AVI
SMART AUDIO VIDEO INNOVATION

# P2P-KDT300

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

Extend, control, and manage your DP-based workstation over IP with the P2P-KDT300. Supporting flexible Direct, Matrix, and SaviGate modes, the P2P-KDT300 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

# HOW IT WORKS

## Flexible KVM extension and switching

The P2P-KDT300 can operate in multiple modes depending on your application needs:

### Direct Mode

Simple point-to-point extension without configuration
**Supports:** 1 Transmitter / 1 Receiver

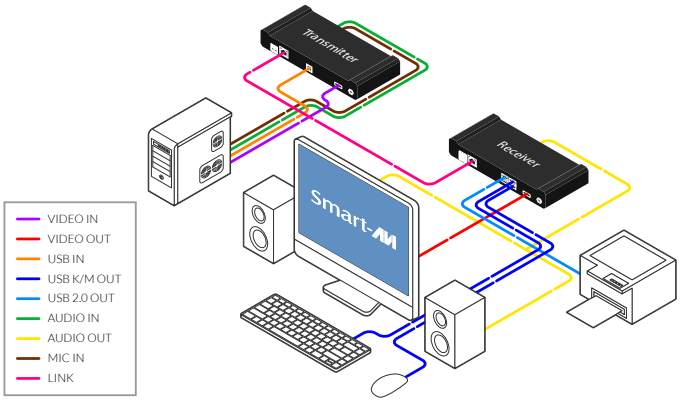
### Matrix Mode

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 receiver models for point-to-point operation:

- **P2P-KVR300** – DVI Receiver via CATx & Fiber
- **P2P-KHR300** – HDMI Receiver via CATx & Fiber
- **P2P-KDR300** – DisplayPort Receiver 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, WQXGA @ 60 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 | USB Type B, 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 | 9.5"W x 5.25"D x 1.70"H |
| Weight | 1.41lbs and 0.63kg |

## ORDERING DETAILS

| | |
|---|---|
| P2P-KDT300-S | Point-to-point Dual-Head DP CAT5 & Fiber Transmitter with USB 2.0, Audio and RS232. [P2P-KDT300, PS12VD3A] |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