



# P2P-KHR300

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

Extend, control, and manage your HDMI-based workstation over IP with the P2P-KHR300. Supporting flexible Direct, Matrix, and SaviGate modes, the P2P-KHR300 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 Optional 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-KHR300 can operate in multiple modes depending on your application needs:



Direct Mode

Simple point-to-point extension without configuration



Matrix Mode

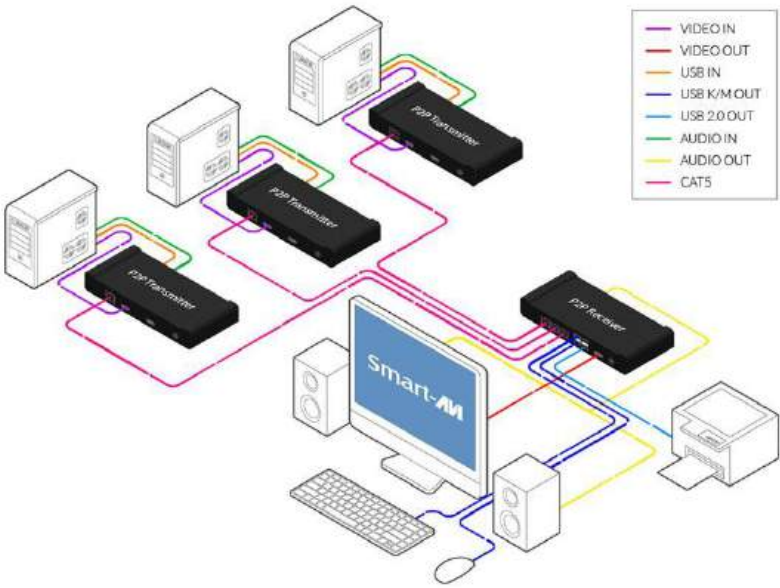
OSD-based multi-user KVM switching across a network



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 receiver 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                | HDMI 1.4 & HDCP 1.4 Compliant, Video Bandwidth Up To 10.2 Gbps                                   |
| Video Resolution      | Up To 4K @ 30 Hz   |
| Connector             | 1× HDMI (19-Pin Female)  |
| System                |  |
| Interface             | EDID Storage & Emulation   |
| Transmission Distance | Up To 100m; LC Connector Fiber Multimode: Up to 500m; Fiber Single Mode: Up to 10km              |
| Compression           | Ultra-Low Latency JPEG2000   |
| Optional 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-KDR302-S | Point-to-point Dual-Head DP CAT5 & Fiber Receiver with USB 2.0, Audio and Optional RS-232. [P2P-KDR302, PS12VD3A] |
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