




SAVANT

Savant® IP Video Single Output Receiver 4K UHD with Control (PAV-VOM1CP2) Quick Reference Guide

Box Contents

- (1) Single Video IP Receiver (PAV-VOM1CP2-xx)
- (1) Installation kit (075-0210-xx)
 - (1) Power Adapter with International Clips (025-0195-xx)
 - (1) International Clips (CN, US, UK, EU & AUS)
 - (2) Mounting Brackets (071-1093-xx)
 - (4) M2.5 x 4mm screws (for mounting brackets) (039-0590-xx)
 - (1) IR Emitter (4ft long) (064-0442-xx)
 - (1) 3-pin RS232 Control Connector (028-0805-xx)
- (1) Product Information and Regulatory Statement (009-1950-xx)

Specifications

Environmental				
Temperature	30° to 105° F (0° to 40° C)			
Humidity	10% to 90% Relative Humidity (non-condensing)			
Dimensions and Weights				
	Height	Width	Depth	Weight
Device	0.98 in (2.48cm)	6.3 in (16cm)	5.72 in (14.52cm)	1.35 lb (0.61 kg)
Shipping	3.63 in (9.22 cm)	15.5 in (39.37 cm)	8.5 in (21.59 cm)	2.65 lb (1.20 kg)
Power				
Power over Ethernet (PoE+)	IEEE 802.3at			
Input Power	12V 2A DC			
Nominal Power	16 W			
Maximum Power	24 W			
Compliance				
Safety and Emissions	FCC Part 15 	CE 	C-Tick 	
RoHS	Compliant			
Supported Releases				
Software Release	da Vinci 9.4 and higher			

Supported Audio and Video Formats

Audio				
Supported Formats	Pass-through of all HDMI 2.0 audio formats are supported.			
Video				
HDR	Supported			
Supported Formats	640x480 ⁵ 720x480 ⁶ 720x576 ⁴ 800x600 ⁵ 1024x768 ⁵ 1280x720 ⁴ 1280x720 ⁵	1280x1024 ⁵ 1920x1080 ¹ 1920x1080 ³ 1920x1080 ⁴ 1920x1080 ⁵ 1920x1200 ⁵ 3840x2160 ¹	3840x2160 ² 3840x2160 ³ 3840x2160 ⁴ 3840x2160 ⁵ 4096x2160 ³ 4096x2160 ⁵	
1 = at 24 Hz 2 = at 25 Hz	3 = at 30 Hz 4 = at 50 Hz	5 = at 60 Hz		

Required Components

- Savant IP Video Transmitter
- Savant System Host
- Savant qualified 10G Managed Network Switch
- Savant User Interface
- Savant Development Environment (SDE)

Front Panel



A Power LED	Off - Device is off. No power applied Red - Main board is powered
B Video LED	Off - No video signal detected Blue - Video signal detected
C LinkTX LED	Off - No valid connection Blue - Valid link Blinking - Sending Ethernet Data
D LinkRX LED	Off - No valid connection Blue - Valid link, not receiving Ethernet Data Blinking - Receiving Ethernet
E Status	Blue - Reset button is pressed when the device is powered on Blinking - Reset button has been released or the device was powered on without holding the reset button
F P1	Reserved for future use.
G Reset	Hold down this button with a pointed stylus for 20 seconds while powering up the device to restore the device to factory default settings

Network Guidelines

To ensure that the IP Address will not change due to a power outage, Savant recommends using DHCP reservation within the router. By using this method IP Addresses for all devices can be managed from a single UI, avoiding the need to access devices individually.

NOTE: IP video device requirements and how to manage IP addresses are available on the Savant Device Networking Guidelines on the **Savant Customer Community**.

Network Requirements

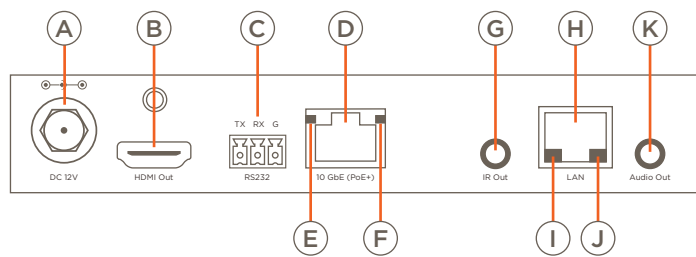
For more information, see the **Savant Device Networking Guidelines** on the **Savant Customer Community**.

Additional Information

Refer to the following documents located on the **Savant Customer Community** for additional information.

- Savant IP Video Deployment Guide (009-1977-xx)
- Savant IP Video Network Configuration Guide (009-1552-xx)
- Savant IP Audio Deployment Guide (009-1571-xx)
- Savant Device Networking Guidelines

Rear Panel

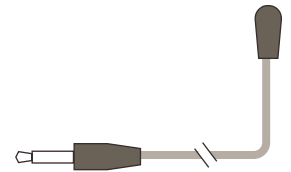


A DC 12V	12V 2A DC
B HDMI Out	19-Pin Type A HDMI female digital audio/video output with locking connector. Supports HDMI 2.0a. HDMI 2.0 compliant cable required for 4K content.
C RS232	3-pin Control Connector. Transmits and receives serial data to and from serial controllable devices. For pin-out information, refer to the RS-232 Wiring section.
D 10GbE	RJ-45 port. 10G connection to the IP Video 10G switch. Supports Power over Ethernet (PoE+ IEEE 802.3at standard).
E Link LED	Solid Green - Link is established with 2.5/5GBase-T mode. Solid Amber - Link is established with 10GBase-T mode. Off - No link established.
F Link Activity LED	Amber Blinking - Indicates data activity. Off - No Activity.
G IR Out	3.5 mm IR Emitter connection. Transmits IR signals via an IR Flasher (5V tolerant) to devices with an IR input or IR receiver.
H LAN	1G of reserved network data bandwidth commonly used to connect any network compliant device to transmit its data onto the Ethernet network by sharing the 10G network link. 8-pin RJ-45 female connection. IMPORTANT! Do not connect this port to a network switch.
I Link LED	Solid Green - Link is established. Off - No link established.
J Link Activity LED	Amber Blinking - Indicates data activity. Solid Amber - Connected but there is no data activity. Off - No Activity.
K Audio Out	3.5 mm (1/8 in) Analog Audio connection. For use information refer to the Savant IP Video Deployment Guide on the Savant Customer Community .

Wiring and Connections

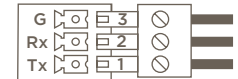
IR Wiring

IR connection are made using 3.5 mm IR Emitter supplied with the device.



RS-232 Wiring

Serial control connection are made using a 3-pin Control Connector supplied with the device. The wire slips into the hole and locks with a screw located at the top of the connector.



PIN 1	Transmit
PIN 2	Receive
PIN 3	Ground

10 GbE

RJ-45 10G Ethernet connection.

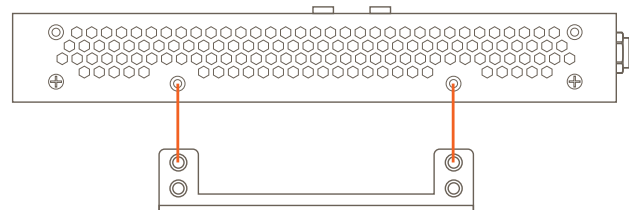
Transport Distance

Cat6	100ft (30m)
Cat6a	300ft (100m)
Cat7	300ft (100m)

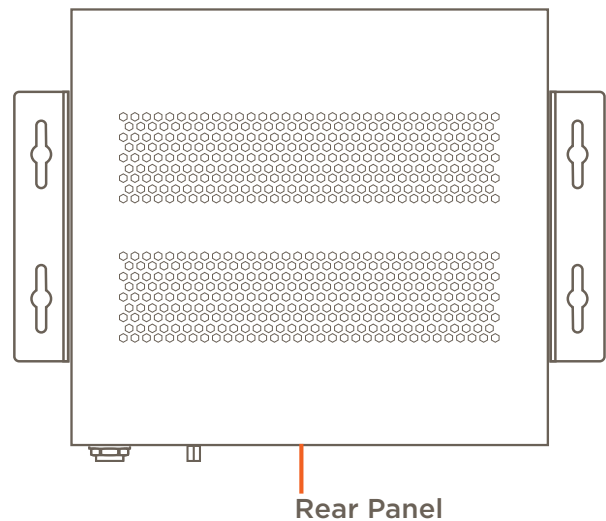
Installation

To install the PAV-VOM1CP2 use the mounting screws to attach the included mounting brackets. Please follow the steps below.

- Align the bracket using the top holes.
NOTE: This will leave an air gap behind the device.
- Use mounting screws to attaching the bracket.



If the device is going to be mounted Savant recommends aligning the device with the rear of the device facing down. This will allow the best heat dissipation.



Rack Installation

The PAV-VOM1CP2 can be rack mounted using the RCK-PAVVM8. (rack purchased separately)