



Savant® IP Video Single Output Receiver 4K UHD with Control (PAV-VOM1C) Quick Reference Guide

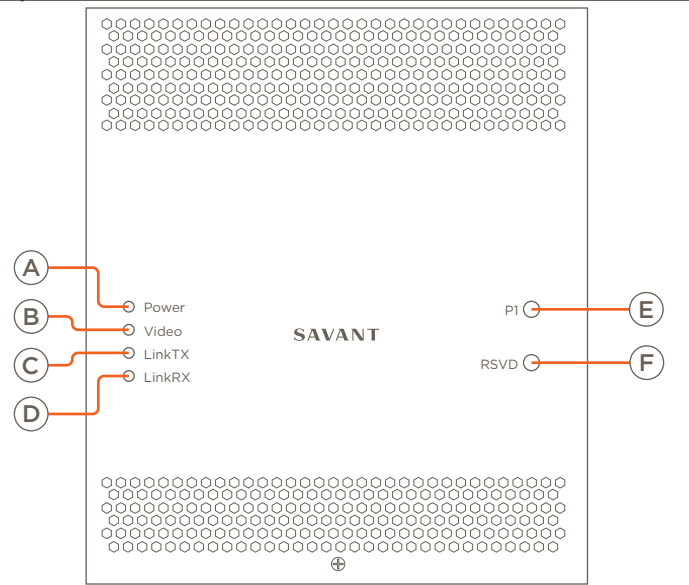
Box Contents

- (1) Single Video IP Receiver (PAV-VOM1C-xx)
- (1) Installation kit
 - (1) Power Adapter
 - (2) Mounting Brackets
 - (1) IR Emitter (4ft long)
 - (1) 4-pin Control Connector
- (1) Quick Reference Guide (this document)

Specifications

Environmental			
Temperature	30° to 105° F (0° to 40° C)		
Humidity	10% to 90% Relative Humidity (non-condensing)		
Dimensions and Weights			
Height	6.97 in (177.0 mm)		
Width	5.91 in (150.0 mm)		
Depth	1.00 in (25.4 mm)		
Weight	1.8 lb (0.82 kg)		
Power			
Input Power	12V 2A DC		
Nominal Power	16 W		
Maximum Power	24 W		
Video			
HDR	Supported		
Supported Formats	640x480 ⁵ 720x480 ⁵ 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
1 = at 24 Hz 2 = at 25 Hz	3 = at 30 Hz 4 = at 50 Hz	5 = at 60 Hz	
Audio			
Supported Formats	Pass-through of all HDMI audio formats are supported.		
Compliance			
Safety and Emissions	FCC Part 15 	CE 	C-Tick
RoHS	Compliant		
Minimum Supported Release			
Savant OS: da Vinci 8.8			

Top Panel



(A) Power LED	Off - Device is off. No power applied. Blue - 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 Blinking - Receiving Ethernet
(E) P1	Reserved for future use.
(F) RSVD	Reserved for future use.

Network Configuration

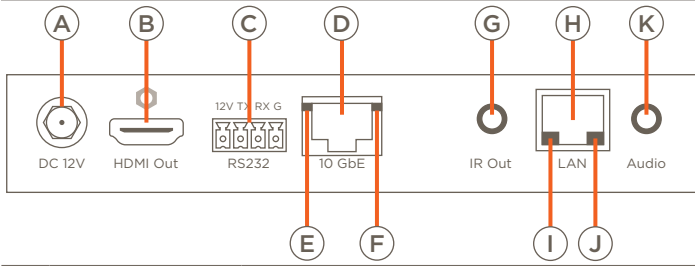
To ensure that the IP Address will not change due to a power outage, Savant recommends using DHCP reservation within the router. By using this method IP Addresses for all devices can be managed from a single UI, avoiding the need to access devices individually.

NOTE: Setting DHCP reservation varies from router to router. Refer to the documentation for the router to configure DHCP reservation.

Network Requirements

Savant IP Video Devices require a Savant qualified 10G managed switch. This switch must be configured for IP Video devices. For more information on this see the [Savant IP Video Network Configuration Guide](#) on the [Savant Customer Community](#).

Front Panel



A DC 12V	12V DC
B HDMI In	19-Pin Type A HDMI female digital audio/video input with locking connector. Supports HDMI 2.0a. HDMI 2.0 compliant cable required for 4K content.
C RS232	4-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 below.
D 10GbE	RJ-45 port. 10G connection to the IP Video 10G switch.
E Link LED	Solid Green - Link is established. Off - No link established
F Link Activity LED	Green 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. Off - No Activity
K Audio	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 .

Additional Information

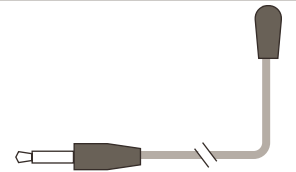
Refer to the following documents located on the **Savant Customer Community** for additional information.

- Savant IP Video Deployment Guide (009-1551-xx)
- Savant IP Video Network Configuration Guide (009-1552-xx)
- Savant IP Video with Audio Processing Deployment Guide (009-1621-xx)

Wiring and Connections

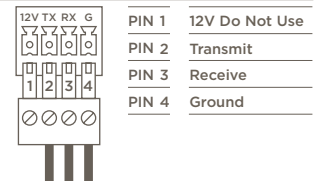
IR Wiring

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



RS-232 Wiring

Serial control connection are made using a 4-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.



10 GbE

RJ-45 10G Ethernet connection.

Transport Distance

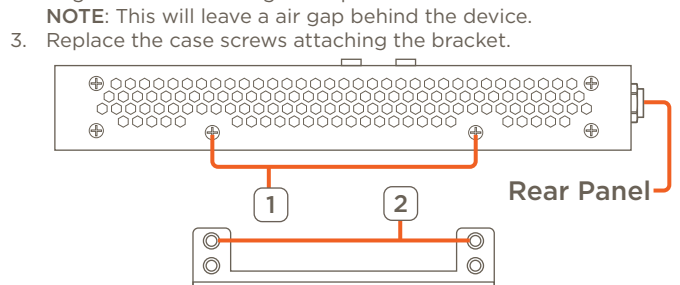
Cat6	100ft (30m)
Cat6a	300ft (100m)
Cat7	300ft (100m)

Installation

The PAV-VOM1C can be placed on a standard 1U rack shelf. Or the PAV-VOM1C can be installed using the included mounting brackets.

To install the mounting brackets follow the steps below.

1. Remove the two case screws in the center of the device (Shown in the image below).
2. Align the bracket using the top holes.
3. Replace the case screws 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.

