SAVANT

Savant® IP Video Single Input Transmitter 4K UHD with Video Processing and Control (PAV-VIMVP1F2/PAV-VIMVP1CP2)

Quick Reference Guide

Box Contents

(1) IP Video Transmitter (PAV-VIMVP1F2-xx/PAV-VIMVP1CP2-xx)
(1) SFP+ module (PAV-VIMVP1F2-xx only)
(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 Regulatory Statement (009-1950-xx)

Specifications

Environmental				
Temperature	32° to 104° F (0° to 40° C)			
Humidity	10% to 90% Relative Humidity (non-condensing)			
Dimensions and Weights				
	Height	Width	Depth	Weight
Device	0.98 in (2.50 cm)	8.46 in (21.50 cm)	5.51 in (13.99 cm)	1.65lb (0.75 kg)
Shipping	4.0 in (10.16 cm)	9.0 in (22.86 cm)	16.0 in (40.64 cm)	4.8lb (2.17 kg)
Rack Space	1U			
Power				
Input Power	12V 3A DC PoE+ (IEEE 802.3at)			
Nominal Power	16 W (PAV-VIMVP1F2-xx) 19 W (PAV-VIMVP1CP2-xx)			
Maximum Power	36 W (PAV-VIMVP1F2-xx) 36 W (PAV-VIMVP1CP2-xx)			
Compliance				
Safety and Emissions	FCC Part 15	CE	C-Tick	UKCA
RoHS	Compliant			
Supported Releases				
Software Release	da Vinci 9.4.3 and higher			

Supported Audio and Video Formats

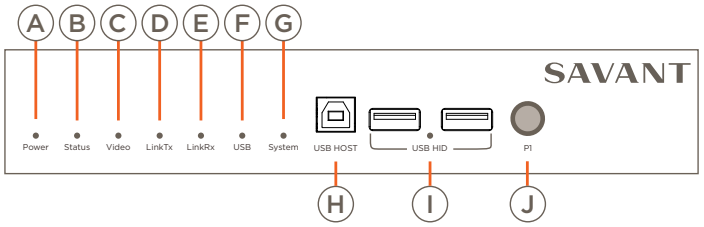
Audio				
Supported Formats	Pass-though of all HDMI audio formats are supported.			
Video				
HDR	Supported			
Dolby® Vision	Supported			
Supported Formats	640x480[5]	1280x720[4]	1920x1080[4]	3840x2160[3]
	720x480[5]	1280x720[5]	1920x1080[5]	3840x2160[4]
	720x576[4]	1280x1024[5]	1920x1200[5]	3840x2160[5]
	800x600[5]	1920x1080[1]	3840x2160[1]	4096x2160[3]
	1024X768[5]	1920x1080[3]	3840x2160[2]	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 Receiver
- Savant System Host
- Savant qualified 10G Managed Network Switch
- Savant User Interface
- Savant Development Environment (SDE) and Configuration Tools

Front Panel



Item		Description
A	Power LED	**Off** - Device is off. No power applied. **Red** - Main board is powered.
B	Status LED	**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.
C	Video LED	**Off** - No video signal detected. **Blue** - Video signal detected.
D	Link TX LED	**Off** - No valid connection **Blue** - Valid link **Blinking** - Sending Ethernet Data
E	Link RX LED	**Off** - No valid connection **Blue** - Valid link **Blinking** - Receiving Ethernet Data
F	USB	Reserved for future use.
G	System LED	Not used and will remain in the **OFF** state.
H	USB Host	Reserved for future use.
I	USB HID	Reserved for future use.
J	P1	Reserved for future use.

Networking 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 Netwoking 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

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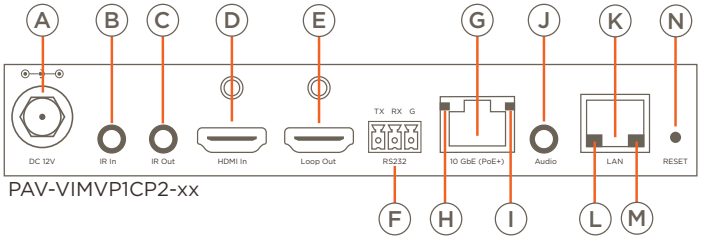
Rear Panel



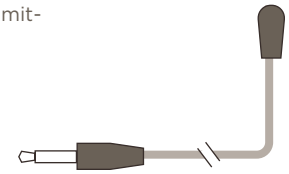
PAV-VIMVP1CP2-xx

Item	Description
A Power Input	12V DC
B IR In	Not used
C 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.
D HDMI In	19-Pin Type A HDMI female digital audio/video input. Supports HDMI 2.0a HDMI 2.0 compliant cable required for 4K content.
E Loop Out	Reserved for future use.
F RS-232	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 to the right.
G 10 GbE	10G input from the Audio/Video over IP switch. **SFP+** (PAV-VIMVP1F2-xx) **RJ-45** (PAV-VIMVP1CP2-xx) supports Power over Ethernet (PoE+ IEEE 802.3at standard).
H 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.
I Link Activity LED	**Amber Blinking** - Indicates data activity. **Off** – No Activity.
J Audio	3.5 mm (1/8 in) Analog Audio Output. Outputs 2 Ch PCM audio from the local HDMI input when 2 CH and MC PCM is present. Does not support downmixing encoded audio. Direct Line Level 2.1 VRMS Output.
K 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.
L Link LED	**Solid Orange** - Link is established. **Off** – No link established.
M Link Activity LED	**Amber Blinking** - Indicates data activity. **Off** – No Activity.
N 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.

Wiring and Connections

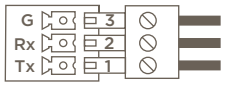
IR Wiring

IR connection is 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

Optical In (PAV-VIMVP1F2-xx)

Enhanced small form-factor pluggable connection. Duplex LC Multi-mode OM3 Fiber required.

Transport Distance

DAC cable	6ft (2m)
OM3 multi-mode fiber	1000ft (300m)

10 GbE (PAV-VIMVP1CP2-xx)

RJ-45 10G Ethernet connection.

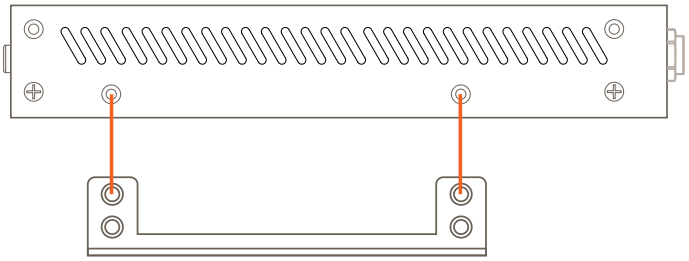
Transport Distance

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

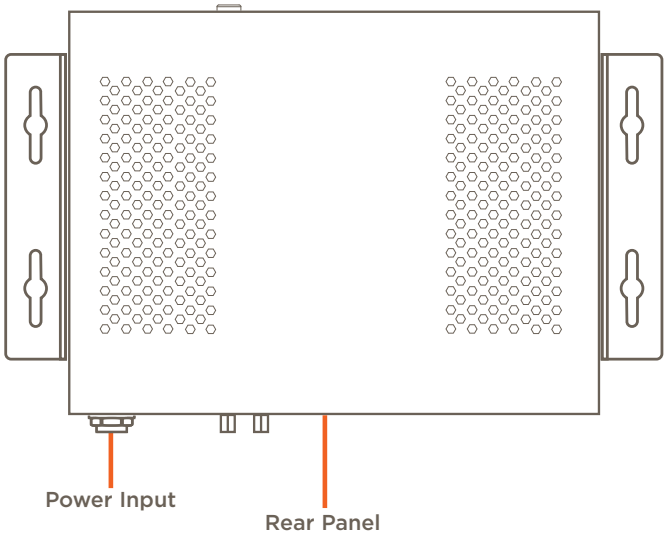
Installation

To install this device use the mounting screws to attach the included mounting brackets. Please follow the steps below.

1. Align the bracket using the top holes.
   NOTE: This will leave an air gap behind the device.
2. 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.



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