



Savant® IP Video Single Input IP Transmitter 4K UHD with Control (PAV-VIMVP1F/PAV-VIMVP1C) Quick Reference Guide

Box Contents

- (1) Savant IP Video Transmitter (PAV-VIMVP1F/PAV-VIMVP1C)
- (1) SFP+ module (PAV-VIMVP1F only)
- (1) Installation Kit (075-0199-xx)
 - (2) Mounting Brackets
 - (4) Screws
 - (1) IR Emitter (4ft long)
 - (1) Power Cord
 - (1) Power Adapter
 - (1) 4-pin Control Connector
- (1) Quick Reference Guide (this document)

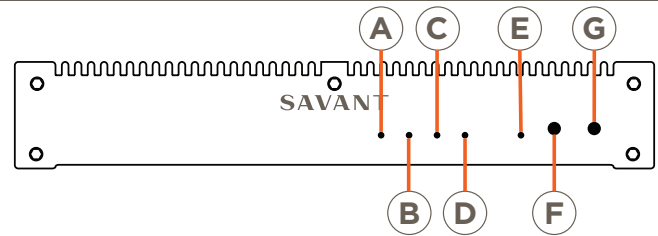
Specifications

Environmental		
Temperature	32° to 104° F (0° to 40° C)	
Humidity	10% to 90% Relative Humidity (non-condensing)	
Dimensions and Weights		
Height	1.38 in (35.0 mm)	
Width	8.27 in (210.0 mm)	
Depth	5.47 in (139.0 mm)	
Weight	Net: 3.3lb (1.5 kg) Shipping 4.8lb (2.2 kg)	
Power		
Input Power	12V 3A DC	
Nominal Power	16 W (PAV-VIMVP1F) 19 W (PAV-VIMVP1C)	
Maximum Power	36 W (PAV-VIMVP1F) 36 W (PAV-VIMVP1C)	
Audio		
Supported Formats	Pass-through of all HDMI audio formats are supported.	
Video		
HDR	Supported	
Supported Formats	640x480 ⁵	1920x1080 ³
	720x480 ⁵	1920x1080 ⁴
	720x576 ⁴	1920x1080 ⁵
	800x600 ⁵	1920x1200 ⁵
	1024x768 ⁵	3840x2160 ¹
	1280x720 ⁴	3840x2160 ²
	1280x720 ⁵	3840x2160 ³
	1280x1024 ⁵	3840x2160 ⁴
	1920x1080 ¹	3840x2160 ⁵
	1 = at 24 Hz	3 = at 30 Hz
2 = at 25 Hz	4 = at 50 Hz	
Compliance		
Safety and Emissions	FCC Part 15 	CE
		C-Tick
RoHS	Compliant	
Minimum Supported Release		
Savant OS: da Vinci 8.8		

Required Components

- Savant IP Video Receiver
- Savant System Host
- Savant qualified 10G Managed Network Switch
- Savant User Interface
- Savant Design and Configuration Tools

Front Panel



Item	Description
A RSVD LED	Reserved for future use. Blue - LED on by default.
B Link TX LED	Off - No valid connection Blue - Valid link Blinking - Sending Ethernet Data
C Link RX LED	Off - No valid connection Blue - Valid link Blinking - Receiving Ethernet
D Video LED	Off - No video signal detected. Blue - Video signal detected.
E Power LED	Off - Device is off. No power applied. Red - Main board is powered
F P1	Reserved for future use.
G RSVD	Reserved for future use.

Network Configuration

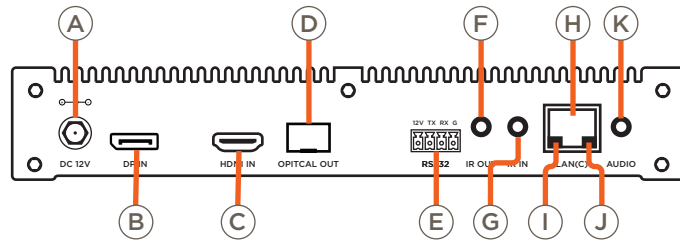
To ensure that the IP Address will not change due to a power outage, Savant recommends using DHCP reservation within the router. By using this method IP Addresses for all devices can be managed from a single UI, avoiding the need to access devices individually.

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

Network Requirements

The A/V over IP Device requires a Savant qualified 10G managed switch. This switch must be configured for the A/V over IP devices. For more information on this see the [Savant Audio/Video over IP Network Configuration Guide](#) on the [Savant Customer Community](#).

Rear Panel



PAV-VIMVP1F

Item	Description
A	Power Input 12V DC
B	DP In Not Used
C	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.
D	Optical or 10 GbE 10G connection from the IP Video 10G switch. SFP+ (PAV-VIMVP1F) RJ-45 (PAV-VIMVP1C)
E	RS-232 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.
F	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
G	IR IN Not Used
H	LAN (C) 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 Orange - Link is established. Off - No link established
J	Link Activity LED Green Blinking - Indicates data activity. Off - No Activity
K	Audio 3.5 mm (1/8 in) Audio connection. For use information refer to the Savant IP Video Deployment Guide on the Savant Customer Community .

Additional Information

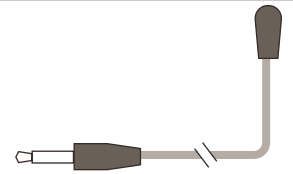
Refer to the following documents located on the **Savant Customer Community** for additional information.

- 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

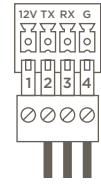
IR Wiring

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.



PIN 1	12V Do Not Use
PIN 2	Transmit
PIN 3	Receive
PIN 4	Ground

Optical In (PAV-VIMVP1F)

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-VIMVP1C)

RJ-45 10G Ethernet connection.

Transport Distance

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

Installation

The Savant IP Video Transmitters can be mounted with the included mounting brackets. If installing this unit behind a display, ensure enough air can pass through the grooves on the top of the unit. This will maximize heat dissipation. Savant recommends aligning the grooves vertically as shown below. For more information see the **Savant IP Video Deployment Guide** on the **Savant Customer Community**.

