



HDMI UHD Seamless Multiviewer Video Switcher Receiver

TRI-AVC-45H70-R-5033



Product Overview

The TRI-AVC-45H70-R-5033 is the receiver of CR-IMAX42H70. It supports HDBaseT 3.0, extending uncompressed 4K60Hz 4:4:4 up to 132 ft/40 m or 4K30Hz/1080P60Hz up to 230 ft/70 m via a single Cat6A cable.

It is a suitable solution for presentation purposes in classrooms and conference rooms.

4K

4K@60Hz
4:4:4



Multiview
mode

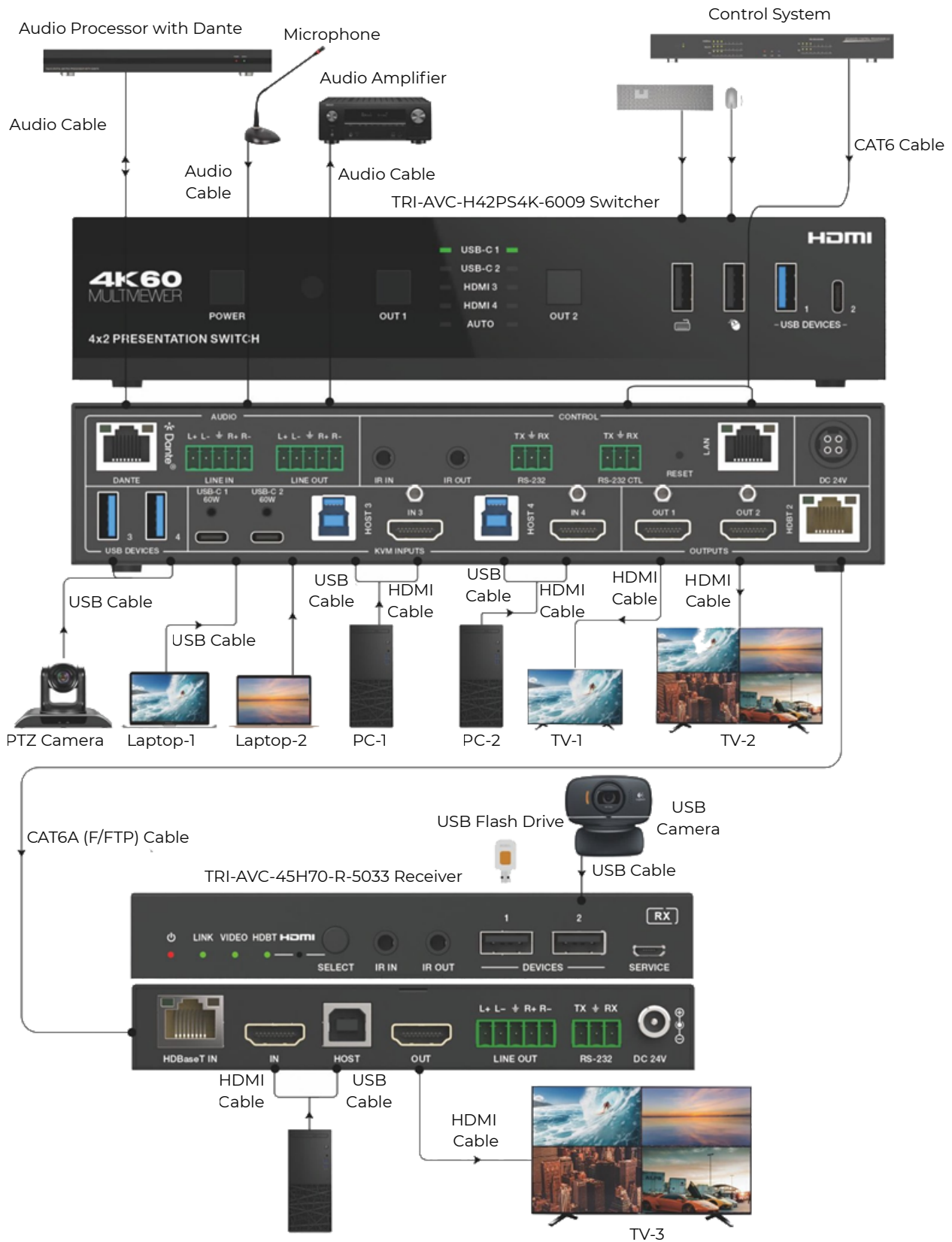


CEC Control

Key Features

- HDMI 1.4b, HDCP 1.4 compliant
- Video resolution up to 4K@60Hz 4:4:4, as specified in HDMI 2.0b
- HDCP 2.3, DP 1.4 and HDBase 3.0 compliant
- USB 3.2 Gen 1 up to 5Gbps
- Multiple multiview display modes: Auto/Single/PIP/PBP/Triple/Quad/Custom
- Local USB 3.2 switching and extending USB 2.0 over HDBaseT 3.0
- Local USB KVM hotkeys and mouse switching
- Uncompressed 4K60 4:4:4 over HDBaseT 3.0 up to 132ft/40m via single CAT6A cable
- Uncompressed 1080P&4K30 over HDBaseT 3.0 up to 230ft/70m via single CAT6A cable
- CEC/RS-232 control external devices ON/OFF
- Advanced EDID management
- Support standard PoE power supply from TX to RX (TX_PSE, RX_PD)
- Flexible control via front panel buttons, IR remote, RS-232, TCP/IP or Web GUI

Connection Diagram



Product specification

HDMI Compliance

HDMI 2.0b

HDCP Compliance

HDCP 2.3

DP Version

DP 1.4

Video Bandwidth

18 Gbps

USB Bandwidth

USB 3.2 Gen 1 up to 5 Gbps

Network Bandwidth (LAN and USB Connection)

1 Gbps

Video Resolution

Up to 4K@60Hz 4:4:4

IR Level

12Vp-p

IR Frequency

Wideband 20K–60KHz

Color Depth

8/10/12-bit

Color Space

RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0

Transmission Distance

HDBT: 230ft / 70m (1080p@4K30), 131ft / 40m (4K60)

HDMI: 9.8ft / 3m

RX Analog Audio: 330 Ohms

Line Input Level (Maximum): 8.2dBu (2Vrms) @ balanced or unbalanced audio

Line Output Level (Maximum): 8.2dBu (2Vrms) @ balanced audio, 2.2dBu (1Vrms) @ unbalanced audio

Frequency Response: (+0.5 dB, -1 dB) 20 Hz to 20 kHz

Audio Output Sync Delay: 0 to 50 ms

Audio S/N Ratio: 93dB @ 2Vrms, 1kHz A-weighted

Audio THD+N: <0.1% @ 0dBV, 1kHz

RX Analog Audio (Digital)

Audio Formats

LPCM 2CH

Sample Rate

44.1 / 48 / 88.2 / 96 kHz at 24 bits

Audio Delay

2 / 3 / 4 / 5 / 10 ms

Network Bandwidth

100 Mbps

Interface – Receiver

Input:

1 × HDMI IN (Type-A, 19-pin female)

1 × HDBaseT IN (RJ45, 48V POE/PD)

Output:

1 × HDMI OUT (Type-A, 19-pin female)

1 × LINE OUT (5-pin 3.5mm Phoenix connector)

Control:

1 × RS-232 (3-pin 3.5mm Phoenix connector)

1 × USB HOST (USB Type-B, 4-pin female)

2 × USB DEVICES (USB Type-A, 4-pin female)

1 × SERVICE (Micro USB, 5-pin female)

1 × IR IN (3.5mm audio jack, 12V level)

1 × IR OUT (3.5mm audio jack, 12V level)

Housing

Front panel: Aluminum

Rear case: Metal enclosure

Color

Black

Dimensions & Weight

140mm (W) × 105mm (D) × 21.5mm (H), 424g

Power Supply & Power Consumption

Input: AC100–240V, 50/60Hz

Output: DC 24V / 8A (US/EU standard, CE/FCC/UL certified)

Power Consumption: 170W (Max)