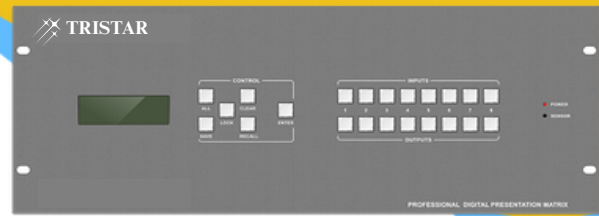# ✹ TRISTAR

Hybrid matrix switchers

TRI-AVC-H51PS4K-6011

Product Overview

The TRI-AVC-H51PS4K-6011 modular multi-format mixed seamless switching matrix is a high-performance video signal switching equipment. It supports up to 8~140 inputs and 8~140 outputs with many kinds of daughter cards. This product supports multiple video format inputs and outputs. And it supports video walls as well. Multi-format matrix using the daughter card structure, flexible and convenient installation. The input/output port support: HDbaseT, SDI, HDMI, VGA, and DVI-U (HDMI/DVI/VGA/YPbPr/CVBS). With the Ethernet/LAN and RS232 communication interface, through the PC software to control the matrix signal switching, monitoring the working status of the matrix, set the signal resolution, etc.

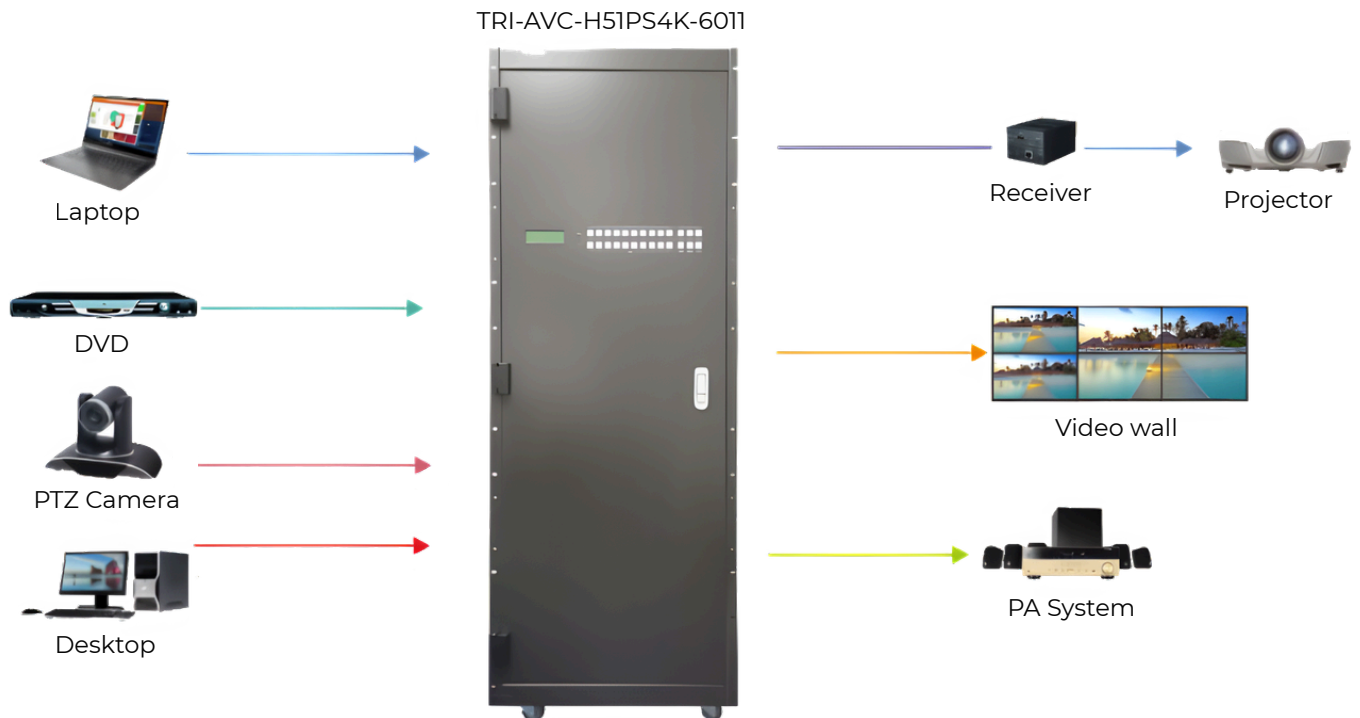| **4K**	**2K**	⚙	▦
3840x2160@60 Hz	1920 x 1080@60Hz	Character overlay function	Support video wall

Key Features

- Maximum resolution of 1920 x 1080@60Hz (2K cards); 3840x2160@60Hz(4K cards)
- Support HDMI 2.0, HDCP 2.2, YUV 4:4:4, audio 7.1 CH
- Support video wall
- HDBaseT cards support POC
- Full digital switching: real seamless switching for all types of output cards
- Redundant power supply(CR-MID MAX0808/1616 is with single module, and double modules optional. CR-MID MAX3636 and above are with double power modules)
- Support Seamless switching
- Support up to 8~140 inputs and 8~140 outputs
- Input/Output port: HDbaseT, 3G-SDI, HDMI, DVI-U(HDMI/DVI/VGA/YPbPr/CVBS)
- Control interface: RS232,Web-based Ethernet/LAN
- PC software to facilitate remote control, real-time display the input and output status
- Scalar inside, output resolution control available
- Support video wall function
- Character overlay function: Font / color / size control available

Connection Diagram

TRI-AVC-H51PS4K-6011

Laptop

DVD

PTZ Camera

Desktop

Receiver

Projector

Video wall

PA System

Product specification

The input card can be connected to Quantity / input channels

4 / 8,　8 / 16,　18 / 36,　40 / 80,　70 / 140,

The output card can be connected to Quantity / input channels

4 / 8,　8 / 16,　18 / 36,　40 / 80,　70 / 140,

Support input card type

TRI-AVC-H51PS4K-6014

TRI-AVC-H51PS4K-6016

Support output card type

TRI-AVC-H51PS4K-6015

TRI-AVC-H51PS4K-6017

Serial Port Control
Serial port control interface:

RS-232, 9-pin female D interface

9-pin male D interface

The baud rate and protocol:

Baud rate: 9600

Data bits: 8

Stop bit: 1

No parity

Structure of serial control:
9-pin D female interface

Pin 2 = TX

Pin 3 = RX

Pin 5 = GND

Front Panel
Control button:

Physical control buttons

Display:

LCD status display

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Product specification

Ethernet Control

Ethernet control interface:

RJ-45 bus interface

Ethernet Control Protocol:

TCP/IP

Ethernet IP type:

Static IP, Automatic IP

Specifications

Working power supply:

100VAC ~ 240VAC, 50/60 Hz

Storage, use temperature:

-4 ~ 140°F / -20 ~ 60°C
32 ~ 104°F / 0 ~ 40°C

Box size:

2U | 4U | 8U | 16U | 29U

Gross weight:

8 kg | 13 kg | 23 kg | 44 kg | 88 kg

No-load power consumption (redundant)

100W | 200W | 350W×2 | 350W×4 | 500W×4

Mean time between failures

30,000 hours

Storage, use humidity:

20 ~ 90% RH (no condensation)

Available Input and Output Boards

TRI-AVC-H51PS4K-6014

HDMI Input card

TRI-AVC-H51PS4K-6015

HDMI Output card

TRI-AVC-H51PS4K-6016

HDbaseT Input card

TRI-AVC-H51PS4K-6017

HDbaseT Output card

2K Seamless Cards

Input Signal

HDMI - HDMI 1.3A, up to 1080P60

HDBaseT - Up to 1080P60

DVI - Up to 1080P60

VGA- Up to 1080P60

SDI- 480i60, 576i50, 1080i60, 1080i50, 720p60, 720p50, 1080p24 / 25 / 30 / 50 / 60

Output Signal

HDMI - HDMI 1.3A, up to 1080P60

HDBaseT - Up to 1080P60

DVI - Up to 1080P60

VGA- Up to 1080P60

SDI- 480i60, 576i50, 1080i60, 1080i50, 720p60, 720p50, 1080p24 / 25 / 30 / 50 / 60

4K Seamless Cards

Input Signal

HDMI - Up to HDMI 2.0, 4K 4:4:4 @ 60Hz

HDBaseT - 4K @ 60Hz, works with HDBaseT seamless transmitter box

Output Signal

HDMI - Up to HDMI 2.0, 4K 4:4:4 @ 60Hz

HDBaseT - 4K @ 60Hz, works with HDBaseT seamless receiver box

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For the most current specification information, please visit tri-star.co.in