

4 Channel HD Video Receiver Hub



ACTIVE VIDEO BALUN

Overview

S-AVB-4P is a four channel video and power hybrid receiver that consolidates all CCTV system cabling using standard EIA/TIA 568A/B structured building wiring. Designed for installation in the IDF/Telecom Closet or MDF/Equipment Room, S-AVB-4P allows the real time transmission of CCTV Video signal via cost-effective Unshielded Twisted Paired (UTP) cable. The S-AVB-4P is compatible with all HD-TVI, HD-CVI, AHD and CVBS analog cameras. Working with transmitter(convert 36VDC into regulated 12VDC), it can transmit the camera video and power hybrid signal up to 1000ft /305m for 12VDC output camera.

The superior interference rejection and low emissions of the S-AVB-4P allows video and power signals to co-exist in various environment. Compared with traditional video receiver, S-AVB-4P greatly reduces the cost and improves the performance. Compared with other similar products, Secureeye S-AVB-4P has higher performance, better stability, and more obvious price advantage.

Key Features

- Real-time transmission over UTP cat5e / cat-6
- Compatible with all HD-TVI/CVI/AHD/CVBS analog cameras
- Color video max up to 400m for HD-CVI 720P camera
If you adjust saturation of DVR, max up to 450m
Color video max up to 170m for HD-CVI 1080P camera
Color video max up to 170m for HD-CVI 4MPX camera
- Color video max up to 190m for HD-TVI 720P camera
Color video max up to 190m for HD-TVI 1080P camera
Color video max up to 190m for HD-TVI 3MPX camera
- Color video max up to 300m for HD-AHD 720P camera
Color video max up to 240m for HD-AHD 960P camera
Color video max up to 270m for HD-AHD 1080P camera
- Color video max up to 180m for HD-AHD 3MPX camera
Color video max up to 180m for HD-AHD 4MPX camera
Color video max up to 180m for HD-AHD 5MPX camera
- Female BNC connector and RJ45 Jack
- Real-time transmission;
- Exceptional interference rejection;
- Built-in solid state TVS for surge protection & ground loop isolation
- Lightning protection design Grade:
- Wave Filter Design, Anti-Static Design
- Black galvanized housing
- Rack, wall mountable and desk installation with 4 rubber feet



Specification

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S-AVB-4P

Applied Devices CCTV cameras, monitors, DVR, switchers, IP encoders, and other CCTV equipment

Video Format HD-TVI/CVI/AHD/CVBS

Operating Frequency DC to 42MHz

Max Distance	HD-CVI 720P 400m	HD-CVI 1080P 170m	HD-CVI 4MPX 170m			
	HD-TVI 720P 190m	HD-TVI 1080P 190m	HD-TVI 3MPX 190m			
	HD-AHD 720P 300m	HD-AHD 960P 240m	HD-AHD 1080P 220m	HD-AHD 3MPX 180m	HD-AHD 4MPX 180m	HD-AHD 5MPX 180m

Common-mode/Differential-mode rejection 15KHz to 42MHz 60 dB typ

Impedance Coax: Male BNC 75 ohms

UTP: RJ45 100 ohms

Attenuation 0.5 dB typ

Network Wiring One Unshielded Twisted Pair (for each video signal) 24-16 AWG (0.5-1.31mm)

Category Type UTP cat5e / cat-6

Impedance 100 ± 20 ohms

DC Loop Resistance 52 ohms per 1,000ft (18 ohms per 100m)

Differential Capacitance 19 pF/ft max (62 pF/m max)

Power Input 110V/240VAC (optional)

Power transmission 36VDC up to 1000ft /305m via UTP cat5e/6

Video input RJ45 Jack

Video output Female BNC connector

Surge Protection Built-in Transient Voltage Suppressor(TVS)

Antistatic YES

Housing Black galvanized

Body Color Black

Operating Temperature -10° ~ 60° C

Relative Humidity 0~95% (non-condensing)

Storage Temperature -40° ~ 70° C

Application Diagram

