

16 Channel HD Video Receiver Hub



ACTIVE VIDEO BALUN

Overview

S-AVB-16P is a sixteen 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-16P allows the real time transmission of CCTV video signal via cost-effective Unshielded Twisted Paired(UTP) cable. The S-AVB-16P 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-16P allows video and power signals to co-exist in various environment. Compared with traditional video receiver, S-AVB-16P greatly reduces the cost and improves the performance. Compared with other similar products, S-AVB-16P 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

Specification

S-AVB-16P

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

Video	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						
WireType	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	Power Input	110V/240VAC (optional)					
	Power transmission	36VDC, up to 1000ft /305m via UTP cat5e/6					
Connector	Video input	RJ45 Jack					
	Video output	Female BNC connector					
Protection	Surge Protection	Built-in Transient Voltage Suppressor(TVS)					
	Antistatic	YES					
Mechanical	Housing	Black galvanized					
	Body Color	Black					
Environmental	Operating Temperature	-10° ~ 60° C					
	Relative Humidity	0~95% (non-condensing)					
	Storage Temperature	-40° ~ 70° C					

Application Diagram

