

## Model FS-HD4616VPS-36VDC

### Features

#### 16-CH 36VDC Power Supply HD Video Receiver Hub

- NTSC, PAL & SECAM video format compatible
- Compatible with all HD-TVI, HD-CVI & AHD analog camera
- Power camera; 300W, Max 1A per channel
- Transmit 36VDC power up to 305m(1000ft) working with transmitter(converter 36VDC into regulated 12VDC) for 12VDC camera
- Color video max up to 440m(1443ft) for HD-CVI 720P analog camera if you adjust saturation of DVR, max up to 480m(1574ft)  
Color video max up to 220m(721ft) for HD-CVI 1080P analog camera
- Color video max up to 190m(623ft) for Hikvision-TVI 720P analog camera  
Color video max up to 190m(623ft) for Hikvision -TVI 1080P analog camera
- Color video max up to 210m(688ft) for TVT HD-TVI 720P camera  
Color video max up to 230m(754ft) for TVT HD-TVI 1080P camera
- Color video max up to 300m(984ft) for AHD 720P camera  
Color video max up to 240m(787ft) for AHD 960P camera  
Color video max up to 220m(721ft) for AHD 1080P camera
- Female BNC connector and RJ45 Jack
- Real-time transmission;
- Exceptional interference rejection;
- Built-in TVS for surge protection & ground loop isolation
- Lightning protection design Grade: III
- Wave Filter Design, Anti-Static Design
- Black galvanized housing
- Rack, wall mountable and desk installation with 4 rubber feet



## Overview

FS-HD4616VPS-36VDC 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, FS-HD4616VPS-36VDC allows the real time transmission of CCTV video signal via cost-effective Unshielded Twisted Paired(UTP) cable. Baseband (composite) signals of any type are supported.

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 FS-HD4616VPS-36VDC allows video and power signals to co-exist in various environment. Compared with traditional video receiver, FS-HD4616VPS-36VDC greatly reduces the cost and improves the performance.Compared with other similar products, Folksafe FS-HD4616VPS-36VDC has higher performance, better stability, and more obvious price advantage.

## Applications

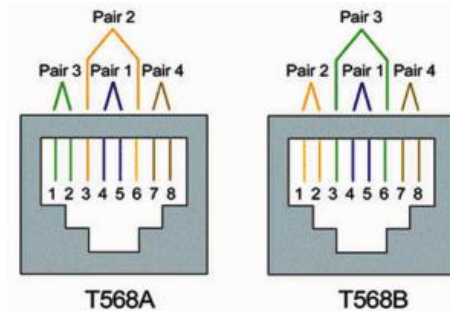
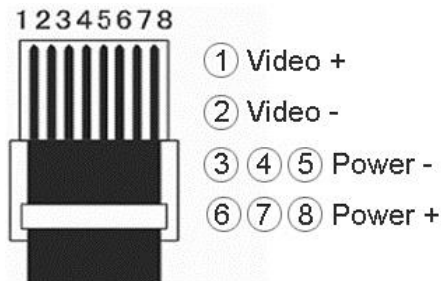
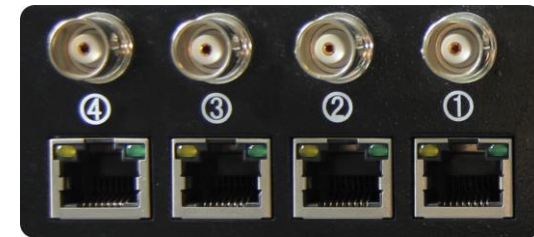
- Security Monitoring System
- Multimedia Network Teaching System
- Medical Monitoring Display System
- Industrial Automation Control System
- Banking, securities, financial information display system
- Remote Network Server Monitoring
- Department Store Security
- Casino Security
- Hospitals, Airports and banks
- School Campuses

## Wire and Cable Recommendations

FS-HD4616VPS-36VDC is recommended to use with Unshielded Twisted Paired (UTP) wiring from 24AWG through 22AWG. Individually shielded pairs should be avoided, as they reduce the operating range of the systems drastically. Multi-pair cable (25-pair or more) with an overall shield are acceptable. Video signals can coexist in the same wire bundle as telephone, datacom, or low-voltages power circuits. While video may be routed through telephone punch-down block terminals, any bridge-taps, also called T-taps and any resistive, capacitive or inductive devices **MUST BE** removed from the pair.

For more specific information regarding wire types, gauges and proper installation techniques, please contact us for technical assistance.

	1	2	3	4	5	6	7	8
<b>T568A:</b>	White Green	Green	White Orange	Blue	White Blue	Orange	White Brown	Brown
<b>T568B:</b>	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown



## Technical Specifications

Model		FS-HD4616VPS-36VDC			
Product Name		16- Channel Power Supply HD Video Receiver Hub			
Applied Devices		CCTV cameras, monitors, DVR, switchers, IP encoders, and other CCTV equipment			
Video	Video Format	PAL, NTSC, SECAM			
	Operating Frequency	DC to 42MHz			
	Max Distance	HD-CVI 720P: 440m	Hikvision-TVI 720P:190m	TVT-TVI 720P: 210m	AHD 720: 300m
		HD-CVI 1080P: 220m	Hikvision-TVI 1080P:190m	TVT-TVI 1080P: 230m	AHD 1080P: 220m
	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				
Wire Type	Network Wiring	One Unshielded Twisted Pair (for each video signal) 24-16 AWG (0.5-1.31mm)			
	Category Type	2 or better			
	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	No external power required			
	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	Dimensions(L*W*H)	493*170*44.5mm (BNC connector & mounting bracket excluded)			
	Housing	Black galvanized			
	Body Color	Black			
	Net Weight	3220g			
Environmental	Operating Temperature	-25° ~ 75° C			

	Relative Humidity	0~95% (non-condensing)
	Storage Temperature	-40° ~ 150° C

## Application Diagram

