



## Solar Energy WIFI Wireless Speed Dome 36X

### Product description:

AV-S1900 solar and wind energy WIFI wireless speed dome series is a new era product of Video monitoring by AEDV. The power supply is converted from solar and wind power, which integrate two common but environment-friendly energies. Through batteries (capacity optional) cameras can still operate normally for a long time without sunlight or wind. This wireless series specialized in desolate lands or mountains or other places of poor infrastructure as a best choice.

video transmits and PTZ controls via network

Wireless standard:2.4 GHz, 802.11B, 802.11G

Wireless antenna: gain 8dbi, Omni directional antenna

Transmission distance: > 800 meters without wireless AP & wireless router

Built-in Web server, video images can be browsed by IE explorer

Supports CIF, 2CIF, 4CIF four kinds of resolution adjustable

Motion detection alarm

Professional video surveillance client software management

Supports multi-user simultaneous accessing



### Camera Specifications:

Dome Type	AV- S1936DN
Video Type	PAL/NTSC (Color, B/W)
Scan System	2:1interlace Scanning
Image Sensor	1/4"interlace Scanning CCD
Horizontal	540TVL - PAL/440K:752*582;NTSC/380K:768*494
Aperture/Focal Length	F1.6- F4.5 (f=3.4-122.4mm)
Optic Zoom	36X - Digital Zoom: 1~12X adjust
Angle of view	57.8° Wide 1.7° Tele
Focus	Auto/Manual
Sensitivity	Color Mode: 1.0lux (PAL:1/50S) B/w Mode: 0.01Lux (PAL:1/4S)
WDR	Off/ On
S/N Ratio	>50dB
Backlight Compensation	Off / On
IRIS, White Balance	Auto/manual
Shutter Speed	Auto Default set Manual :PAL:1/2-1/10000s;NTSC: 1/2-1/10000s
Preset	254 Horizontally Scan: 4 – Patterns: 4- Zone Set: 4
Alarm	2 alarm inputs,1 alarm output
Privacy Masking Zone	16
Tour	6
Auto pan, Auto Home Position	Yes
Control Speed	Horizontal 0 ~ 400°/s ( adjustable ) ,vertical 0 ~ 120°/s;preset speed maximum 400°/s
Mirror, Image Frozen, Compass	Yes
Communication Mode	RS485
Protocol	PELCO-P/D- Baud Rate: 2400 bps,4800 bps,9600 bps – Address: 0~255
Voltage	DC12V,2.5A(Instantaneous current>3A)
Power	25W Indoor /50W Outdoor
Operating Temperature	-10°~ 50° Indoor -40° ~ 50° Outdoor
Humidity	0~90%RH Non-condensing



### Network Function Specifications:

<b>Video Compression</b>	<b>H.264</b>
<b>Resolution</b>	PAL 704*576 NTSC 704*480
<b>Wireless standard</b>	2.4 GHz, 802.11B, 802.11G
<b>Wireless antenna</b>	gain 8dbi, Omni directional antenna
<b>Transmission distance</b>	more than 800 meters without wireless AP and wireless router (no shelter materials)
<b>Encryption method</b>	WEB disable/64bit/128bit
<b>Compression Resolution</b>	CIF/2CIF/4CIF
<b>User Management</b>	·Different user rights for each group, one user belongs to one group.
<b>Storage Function</b>	·Support central server backup function in accordance with your configuration and setup in alarm or schedule setting ·Support record via Web and the recorded file are storage in the local PC.
<b>Alarm Function</b>	·Real-time respond to external alarm input( within 200MS) as user pre-defined activation setup and exert corresponding message in screen and audio prompt(allow user to pre-record audio file) ·Provide central management server management option so that system can initiatively send alarm notice remotely. Alarm input can connect to various peripheral equipments. ·Provide prompt or alarm option when encounter video loss. Support SMS (short messaging service) function when alarm occurs.
<b>Network Monitor</b>	·IP module support one-channel video data transmit to network terminal and then decode. Delay is within 500ms (network bandwidth support needed) ·Max supports 10 connections. ·Adopt the following video transmission protocol: HTTP, TCP, UDP, and MULTICAST. ·Send some alarm data or message via SMTP. ·Support web access, used in WAN.
<b>Network Management</b>	·Realize IP Module configuration and management via Ethernet. ·Support devise management via web.
<b>Assistant Function</b>	·Support system resource information and running status real-time display. ·Video format support NTSC and PAL. ·Support log function. ·Support video watermark function to avoid vicious video modification.

#### Solar panel parameters: 2pcs

Rated power: 120W/pcs- Dimensions: 1110\*808\*35mm (L\*W\*H) - Weight: 11.8kg

#### Battery parameters: (working continuously for 4 days)

Rated power: 12V250Ah- Dimensions: 500\*270\*225mm (L\*W\*H) - Weight: 76kg

#### Battery Box:

Dimensions: 650\*275\*260mm (L\*W\*H)

#### Solar energy controller parameters:

Rated power: 400W- Dimensions: 260\*150\*80mm (L\*W\*H)