

AW-D5800 / AW-H5800 Wireless Housings

Simple. Powerful. Affordable.

5.8GHz

AvaLAN
WIRELESS

(866) 533-6216

The definitive integrated 5.8 GHz line-of-sight wireless housings for network cameras.

The AW-D5800 and AW-H5800 replace costly cables and trenching with a Non-Line-of-Sight Wireless Network Camera housing that enables remote network cameras. AvaLAN's product offers the ideal combination of price, penetrating range, data rate, security, interference avoidance, Quality-of-Service and Ease-of-Use.



*Shown with optional AW23-5800 purchased separately.



AW-D5800 Kit - \$1,499 (MSRP)

Integrated 5.8 GHz wireless dome housing for PTZ network cameras. Kit includes:

- (1) Videolarm (FDW75C2N) outdoor dome housing with heater/blower
- (1) AW5800x 5.8Ghz radio transceiver
- (2) 120VAC to 24VAC/40Va transformers
- (2) AW5-5800 5dBi omni antennae
- (1) 120-240VAC to 9VDC power supply
- (1) 30ft outdoor grade CAT5 cable
- (1) POE (Power over Ethernet) injector
- (1) AW5800x pole/wall mounting kit

AW-H5800 Kit - \$1,399 (MSRP)

Integrated 5.8 GHz wireless dome housing for fixed network cameras. Kit includes:

- (1) Videolarm (ACH313) outdoor housing with heater/blower
- (1) AW5800x 5.8Ghz radio transceiver
- (1) 120VAC to 24VAC/40Va transformers
- (2) AW5-5800 5dBi omni antennae
- (1) 120-240VAC to 9VDC power supply
- (1) 30ft outdoor grade CAT5 cable
- (1) POE (Power over Ethernet) injector
- (1) AW5800x pole/wall mounting kit

Features:

- High RF output power and exceptional receive sensitivity provides ultra long range wireless IP Digital Video delivery up to 30 miles.
- Does not interfere with Wi-Fi networks.
- 128bit encrypted with dynamic private keys
- Highest Quality of Service (QoS) available - Synchronous point to point protocol enables IP video applications that require low data latency and jitter.
- Simple plug and play - pre-configured as matched pairs with no user programming required.
- 58 non-overlapping channels with frequency agility to avoid interference.
- Operates in the 5.725-5.850GHz band and does not require a license to operate or install in USA or Canada.

For a list of network cameras supported, please visit:
<http://www.avalanwireless.com/NetworkCameras.htm>



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Installation:

Antennas:

AW23-5800

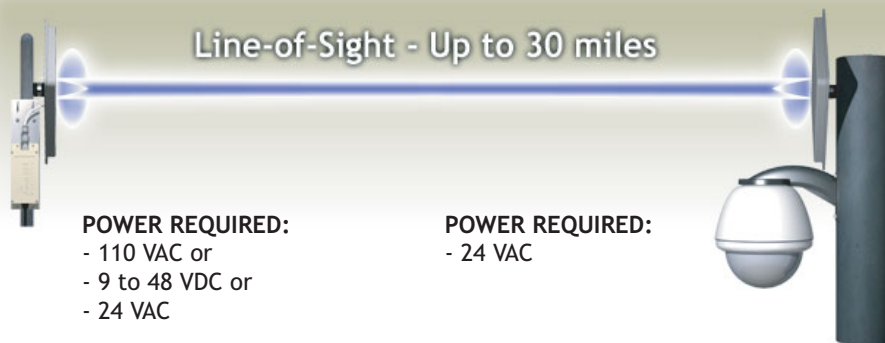
+23dBi directional panel (shown)

AW5-5800

+5dBi omni-directional available.

Line-of-Sight Range:

Up to 30 miles (with +23dBi directional antennae)*



Technical Specifications:

Characteristic	Specification - description (typical)
RF transmission rate:	1.563 Mb/s
Throughput:	1.01 Mb/s
Output power:	+20dBm (20 Watts EIRP used with 23dBi antennae AW23-5800)
Receive sensitivity:	-98dBm at 10e-4 BER (-121dBm with 23dBi antennae AW23-5800)
Radio link budget:	128dB with 5dBi antenna AW5-5800 164dB with 23dBi antennae AW23-5800
Line of Sight Range:	1 Mile Line of Sight with 5dBi antenna AW5-5800 40 miles Line of Sight with 23dBi antennae AW23-5800
Radio channels/bandwidth:	58 Non-overlapping with 2.0833MHz spacing and 1.75MHz occupied bandwidth.
Voltage Range: AW-5800x receiver AW-H5800	9-48VDC (120VAC to 9VDC adapter included) / 24VAC optional - AW24V 24VAC
Power Consumption: AW-5800x AW-H5800	TX 1.8Watts and RX 1Watts over 9-48VDC input voltage. 55Watts (including 20 watt heater)
Radio channels:	58 Non-overlapping
Automatic frequency select:	Yes - radio channel automatically selected and adaptively optimized
Manual frequency mode:	Yes
Status LEDs:	Power, Ethernet Link, RF RX, RF TX, 6/Channel and 6/Link Quality
Error correction technique:	Sub-block error detection and retransmission
Temperature range: AW-5800x AW-H5800	-40°C to 70°C -30°C to 50°C - Limited by temperate range of the camera Heater turns on at 10°C off at 27°C, Blower on at 45°C off at 27°C
Voltage Range: AW-5800x receiver AW-H5800	Includes injectors/power supplies 802.3af compliant. Use with 9VDC to 48VDC POE systems with lines 4/5 positive, 7/8 ground.

Ordering Information:

Part	Price	Description	Contents
AW-D5800	MSRP \$1,499	Integrated 5.8 GHz Wireless Dome Housing Kit for PTZ IP Cameras	Please See Above.
AW-H5800	MSRP \$1,399	Integrated 5.8 GHz Wireless Housing Kit for Fixed IP Cameras	Please See Above.



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