AVS-D2712SL 2MP Starlight HD-AVS IR Dome Camera





System Overview

When an entry level dome camera just won't do – look no further than the $\ensuremath{\mathsf{AVS}}\xspace$ -D2712SL.

This sleek indoor/outdoor HD-AVS dome camera packs some serious hardware. Powered by a large 1/2.8"CMOS i-Sniper sensor, this image sensor achieves maximum light gathering capability with image sharpness levels to match. Due to the large image sensor, the camera itself is able to remain in color (Day) mode longer than typical Day/Night cameras, and display full color video with only minimal lighting.

On top of the iSniper imager sits a motorized 2.7mm-12mm lens which provides anywhere from a 95 to 36 degree Field of View.

Supporting HD-AVS, this camera can be used for retrofit as well as green field installations. Typical applications for this type of camera include: Parking Lots, Warehouses, Exterior Residential, and commercial applications.

Like all HD-AVS cameras from IC Realtime, a compatible HD-AVS recorder is required to provide HD video transmission up to 900' over conventional Coaxial cable.

Functions

4 Signals over 1 Coaxial Cable

HD-AVS technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HD-AVS camera to interact with the AVR, such as sending control signal or triggering alarm. Moreover, HD-AVS technology supports PoC for construction flexibility.

* Audio input is available for some models of HD-AVS cameras.

Long Distance Transmission

HD-AVS technology guarantees real-time transmission at long distances without any loss. It supports up to 2,624' / 800m transmission for 1080P video via coax cable, and up to 984' / 300m via UTP cable.

- Starlight, 120dB True WDR, 3DNR
- Max. 30fps @ 1080P
- HD / SD dual-output
- 2.7 12mm motorized lens
- Max IR LED length 164' / 50m, Smart IR
- IP67, IK10, AC24V / DC12V

Starlight

For challenging low-light applications, Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, true WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Multiple Interfaces

AVS-D2712SL is designed with multi-interfaces for transmitting / receiving various signals. It has both HD-AVS (IC Realtime only) and CVBS (standard analog 960H/D1) video outputs on separate BNC connectors, as well as test interface for debugging. It contains an audio input and an alarm input / output for connecting to external devices. Multiple Interfaces allow for flexibility in video monitoring, which facilitates deployment and construction.

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDS from whiting out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 50m (164ft).

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 rating, making it suitable for indoor or outdoor environments.

The camera complies with an IK10 vandal resistance rating making it capable of withstanding the equivalent of 5 kg (11.02 lbs) of force dropped from a height of 40 cm (15.75 in). It also features $\pm 25\%$ input voltage tolerance, allowing it to operate under unstable power supply conditions. Its 4KV lightning rating provides protection from the effects of a lightning strike.



Technical Specifications

Camera

Image Sensor	1/2.8" CMOS
Effective Pixels	1945(H) x 1097(V), 2.1MP
Scanning System	Progressive
Electronic Shutter Speed	1s ~ 1/30,000s
Minimum Illumination	0.005Lux @ F1.4, 30IRE, 0Lux IR On
S/N Ratio	> 65dB
IR Distance	164' / 50m
IR On/Off Control	Auto / Manual
IR LEDs	3
Lens	

Туре		Motorized / Auto I	ris	
Mount Type		Board-in		
Focal Length		2.7 - 12mm		
Max. Aperture		F1.4		
Angle of View		H: 95° ~ 36°		
Focus Control		Auto / Manual		
Close Focus Distance		11.8" / 300mm		
DORI Distance	Detect	Observe	Recognize	Identify
	W 156'/48m T 436'/133m	W 62'/19m T 174'/53m	W 33'/10m T 89'/27m	W 16'/5m T 43'/13m

Pan/Tilt/Rotation

Pan: 0° ~ 355° Tilt: 0° ~ 65° Rotation: 0° ~ 355° Pan / Tilt / Rotation Range Video 1080P (1920 x 1080) Resolution 30fps @ 1080P 30fps / 60fps @ 720P Frame Rate 1-channel BNC HD-AVS HD output 1-channel BNC CVBS output (960H / D1) CVBS test out Output Auto (ICR) / Manual Day/Night OSD Menu Multi-language BLC Modes BLC / HLC / WDR WDR 120dB AGC Gain Control 2D / 3D Noise Reduction Auto / Manual White Balance Smart IR Auto / Manual

Certifications

	CE: (EN55032, EN55024, EN50130-4)
Certifications	FCC: (CFR 47 FCC Part 15 subpart B, ANSI C63.4-2014)
	UL: (UL60950-1 +CAN / CSA C22.2 No.60950-1)

Interface

1 Ch Audio In
1 Ch In, 1 Ch Out
12V DC ± 25% / 24V AC ± 25%
Max 12.5W (12V DC, IR LEDs on)
-22°F ~ 140°F / -30°C ~ 60°C; < 90% RH
-22°F ~ 140°F / -30°C ~ 60°C; < 90% RH
IP67 / IK10
Aluminum
Φ6.3" × 4.6" / Φ159.1mm × 117.9mm
1.98lbs / 0.9kg
2.65lbs / 1.2kg



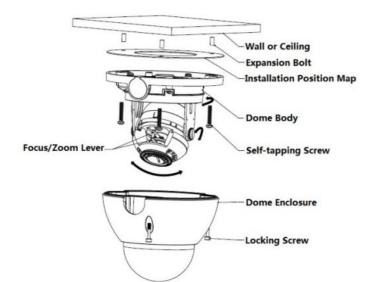
AVS-D2712SL

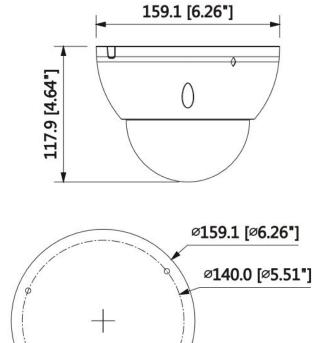
Mounting

Dimensions (mm / in)



REALTIME





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