

LSD4MP-CVI-2.7-13.5-IR30

4MP HDCVI IR Dome Camera

System Overview

This advanced HDCVI Analog camera delivers 4MP resolution with a Varifocal lens 2.7-13.5mm. Attractive camera with easy mounting solutions provides a great choice for a variety of small to mid-size application like public safety, transportation, education and commercial buildings.

Features

- 1/3" 4 Megapixel Progressive CMOS
- Max 30fps@4MP
- HD and SD output switchable
- 2.7~13.5mm varifocal lens
- Max. IR length up to 98' (30m), Smart IR
- IP67, IK10, DC12V



Functions

HDCVI 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 HDCVI camera to interact with the XVR, such as sending control signal or triggering alarm. HDCVI technology supports distance over coax up to 700m and UTP up to 300m.

* Audio input available on some models. *PoC available on some models.

The camera is designed with array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

This camera supports HDCVI or CVBS output. The 2 formats can be switched over through OSD menu. This feature allows the camera to be compatible with other CVBS DVR systems or can use as an analog tester.

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance and privacy mask. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments. The camera complies with IK10 impact resistant rating to provide maximum durability against vandals, making it capable of withstanding the equivalent of 5kg (11.02lbs) of force dropped from a height of (15.75"). With working temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Supporting $\pm 25\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Specifications

Camera

Image Sensor	1/3" CMOS
Effective Pixels	2688(H) x 1520(V) 4.1MP
Scanning System	Progressive
Electronic Shutter Speed	NTSC: 1/30~1/100000s PAL: 1/25~1/100000s
Minimum Illumination	0.03Lux/F1.3, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Distance up to 98' (30m)
IR On/Off Control	Auto/Manual
IR LEDs	2

Lens

Lens Type	Varifocal lens / Fixed iris
Mount Type	Board-in
Focal Length	2.7 ~ 13.5mm
Max. Aperture	F1.3
Angle of View	H:98°~26°
Focus Control	Manual
Close Focus Distance	7.87" (200mm)

DORI Distance

	DORI Definition	Distance	
		Wide	Tele
Detect	25px/m (8px/ft)	64m(210ft)	222m(728ft)
Observe	63px/m (19px/ft)	26m(84ft)	89m(291ft)
Recognize	125px/m (38px/ft)	13m(42ft)	44m(146ft)
Identify	250ppm (76px/ft)	6m(21ft)	22m(73ft)

Pan/Tilt/Rotation

Pan/Tilt Rotation	Pan:0° ~355°; Tilt:0° ~75°; Rotation:0° ~355°
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Video

Resolution	4MP (2560x1440)
Frame Rate	25/30fps@4MP, 25/30fps@1080p, 25/30fps@720p
Video Output	1-channel BNC high definition video output / CVBS video output (can switch)
Day/Night	Auto (ICR) / Manual
OSD Menu	Multi- language
BLC Mode	BLC / HLC / DWDR
WDR	DWDR
Gain Control	AGC
Noise Reduction	2D

White Balance	Auto / Manual
Smart IR	Auto / Manual

Certifications

Certifications	CE, UL, FCC
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Drivers

Drivers/Profiles	
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Interface

Audio Interface	N/A
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Electrical

Power Supply	12V DC +/- 25%
Power Consumption	Max 4.1W (12V DC, IR on)

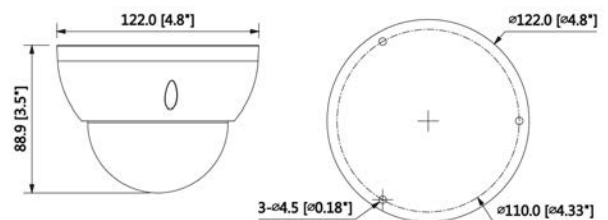
Environmental

Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / < 90% RH * Startup should be done at above -40°C (-40°F)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / <90% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Aluminum
Dimensions	Φ 4.80" x 3.50" (122mm x 88.9mm)
Net Weight	0.86lb (0.39Kg)
Gross Weight	1.08lb (0.49Kg)

Dimensions



ZM072518 Design and specifications are subject to change without notice