

# DM1239TLQ-LED-A

2MP Full-color HDCVI Quick-to-install Eyeball Camera



## Functions

### Full-color

Full-color camera adopts large aperture lens and high performance sensor. With higher amount of absorbed light and advanced image processing algorithm, the camera provides 24/7 color monitoring that collects clear and vivid information, significantly increasing probability of gathering valid human, vehicle, and event evidence that can be used for further intelligent analysis.

### Broadcast-quality Audio

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

### Wide Dynamic Range

With advanced Wide Dynamic Range (WDR) technology, HDCVI camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

### Super Adapt

Embedded with intelligent algorithm, for changing external environment, camera can automatically adjust parameters to present the optimal image, and it solves the trouble of configuration

### Advanced 3DNR

3DNR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. Advanced 3DNR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3DNR effectively decreases the band width and saves the storage space.

### Warm Supplemental lights

With warm supplemental LED lights, the camera is able to provide a colorful and vivid image even in total darkness. By default, the camera is set to smart light mode, in which the camera can automatically adjust the exposure time and light sensitivity simultaneously to avoid overexposure of the objects in the image center.

### 4 Signals over 1 Coaxial Cable

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 HCVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

\*Audio input is available for some models of HDCVI cameras.

### Protection (IP67, wide voltage)

**IP67:** The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

**Wide voltage:** The camera allows  $\pm 30\%$  (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

### Easy Installation

HDCVI quick-to-install eyeball adopts quick-to-install pedestal, which can achieve easier installation than conventional eyeball. Quick-to-install camera reduces time and labor costs.

Camera				
Image Sensor	1/2.8" CMOS			
Max. Resolution	1920 (H) × 1080 (V), 2MP			
Pixel	2MP			
Scanning System	Progressive			
Electronic Shutter Speed	PAL: 1/25s–1/100000s NTSC: 1/30s–1/100000s			
S/N Ratio	> 65 dB			
Minimum Illumination	0.001 Lux/F1.6, 30IRE, 0 Lux LED on			
Illumination Distance	20m (65.6ft)			
Illuminator On/Off Control	Auto; Manual			
Illuminator Number	1			
Pan/Tilt/Rotation Range	Pan: 0°–360°			
	Tilt: 0°–78°			
	Rotation: 0°–360°			
Lens				
Lens Type	Fixed Lens			
Mount Type	M12			
Focal Length	2.8mm			
Max. Aperture	F1.6			
Field of View	H: 107°; V: 56°; D: 127°			
Iris Type	Fixed Iris			
Close Focus Distance	0.7 m (2.3 ft)			
DORI Distance	Detect	Observe	Recognize	Identify
	43.9m (144ft)	17.5m (57.4ft)	8.8m (28.9ft)	4.4m (14.4ft)

Video	
Video Frame Rate	CVI: PAL: 1080@25fps
	NTSC: 1080@30fps
	AHD: PAL: 1080@25fps
	NTSC: 1080@30fps
	TVI: PAL: 1080@25fps
	NTSC: 1080@30fps
	CVBS: PAL: 960×576H
	NTSC: 960×480H
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)
BLC	BLC/HLC/WDR
WDR	130 dB
White Balance	Auto; Area WB
Gain Control	Auto; Manual
Noise Reduction	3D NR
Smart Light	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 Area, Rectangle)
Port	
Video Port	Video Output Choices of CVI/TVI/AHD/CVBS by One BNC Port
Audio Input	One Channel Built-In Mic
Power	
Power Supply	12V ±30% DC
Power Consumption	Max 3.3W (12V DC, LED On)
Environment	
Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (Non-Condensation)
Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (Non-Condensation)
Protection Grade	IP67
Structure	
Casing	Metal Inner Core + Plastic Cover + Plastic Pedestal
Dimensions	φ97.1 mm × 92.9 mm (φ3.82" × 3.66")
Net Weight	0.22Kg (0.49lb)
Gross Weight	0.28Kg (0.62lb)

### Dimensions (mm [inch])

