



CVI-1800D High Definition with LED Smart IR
4K Real-time HD Water-Proof Mini IR Dome Camera



Aluminium Case

Key Features

- Max 4K resolution, real time transmission
- CVI/CVBS/AHD/TVI switchable
- 3.6mm fixed lens (2.8mm, 3.6mm, 6mm optional)
- Max. IR length 30m, Smart IR
- IP67, 12V±30%DC



Camera

Image Sensor	1/2.7" CMOS
Effective Pixels	3840(H) x 2160(V), 4K
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum illumination	0.03Lux/F2.0, 30IRE, 0Lux IR on
S/N Ratio	> 65dB
IR Distance	30m (98.4 ft)
IR On/Off Control	Auto / Manual
IR LEDs	12

Lens

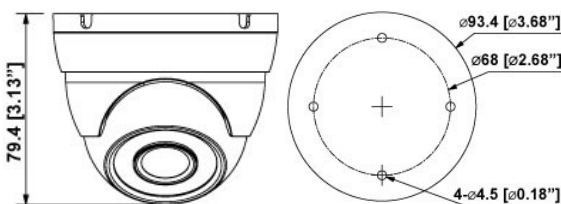
Lens Type	Fixed-Focal
Mount Type	M12
Focal Length	2.8mm (3.6mm, 6mm Optional)
Max Aperture	F2.0
Angle of View (Diagonal x Horizontal x Vertical)	2.8 mm: 125° x 105° x 56° 3.6 mm: 104° x 87° x 47° 6 mm: 62.4° x 54.7° x 31.3°
Iris Type	Fixed iris
Close Focus Distance	2.8 mm: 1.0 m (3.3 ft) 3.6 mm: 1.9 m (6.2 ft) 6 mm: 3.6 m (11.8 ft)

Interface

Audio Interface	N/A
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Construction

Casing	Metal throughout the whole casing
Dimensions	Ø93.4mmx79.4mm (Ø 3.68"x3.13")
Net Weight	0.27kg (0.60lb)
Gross Weight	0.35kg (0.77lb)



Video

Resolution	4K (3840 x 2160); 5M (2595 x 1944); 4M (2560 x 1440) 960H (960 x 576/960 x 480)
Frame Rate	CVI: 4K@25/30fps; 4K@15fps; 5M@20fps; 4M@25fps/30fps AHD: 4K@15fps TVI: 4K@15fps CVBS: 960H
Video Output	CVI/TVI/AHD/CVBS by one BNC port
Day/Night	Auto switch by ICR
OSD Menu	Multi-Language
BLC Mode	BLC / HLC / WDR
WDR	DWDR
Gain Control	Auto; manual
White Balance	Auto; Manual
Noise Reduction	2D NR
Smart IR	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 area, rectangle)

Electrical

Power Supply	12V ±30% DC
Power Consumption	Max 4.3W (12V DC, IR on)

Environmental

Operating Conditions	-40°C~+60°C (-40°F~+140°F): <95% (non-condensation)
Storage Temperature	-40°C~+60°C (-40°F~+140°F): <95% (non-condensation)
Protection Grade	IP67

Certifications

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