

HD4-TD27

4 Megapixel HD-AVS IR Eyeball Camera



- 1/3" CMOS
- Max 30fps@4MP
- HD and CVBS switchable
- BLC, AGC, HLC, DWDR
- 2.7-13.5mm vari-focal lens
- Max. IR LEDs length 30m, Smart IR
- IP67, DC12V

System Overview

The HD4-TD27 from Clearview features a 1/3" CMOS capable of 30fps in 4MP resolution over coax. This Dome style camera has a 2.7-13.5mm vari-focal lens with a 5x optical zoom and is also switchable to CVBS standard definition.

The HD4-TD27 supports Smart IR with an IR range up to 98 feet with IP67 Weather Proof protection. These features make this camera a great choice for most residential and business applications.

Functions

Simplicity

HD-AVS technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HD-AVS system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

Multiple-formats

The camera supports multiple video formats including HD-AVS, CVBS. The two formats can be switched over through OSD menu. This feature makes the camera to be compatible with not only AVRs but also most end users' existing Standard Definition DVRs.

Smart IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening 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 30m (98ft).

Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67).

Environmental

Cameras operate in extreme temperature environments, rated for use in temperatures from -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$) with 95% humidity. Device has metal casting construction.

Technical Specification

Camera

Image Sensor	1/3" CMOS
Effective Pixels	2688(H)×1520(V), 4.1MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.03Lux/F1.3, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 30m (98feet)
IR On/Off Control	Auto / Manual
IR LEDs	20

Lens

Lens Type	Vari-focal 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	200mm 7.87"				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	210 ft	84 ft	42 ft	21 ft
	T	728 ft	291 ft	146 ft	73 ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°
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Video

Resolution	4MP (2560×1440)
Frame Rate	25/30fps@4MP, 25/30fps@1080P, 25/30fps@720P
Video Output	1-channel BNC HDCVI 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

Interface

Audio Interface	N/A
RS485	N/A
Alarm	N/A

Electrical

Power Supply	12V DC ±25%
Power Consumption	Max 4.6W (12V DC, IR on)

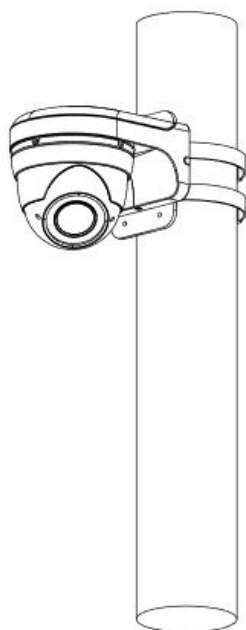
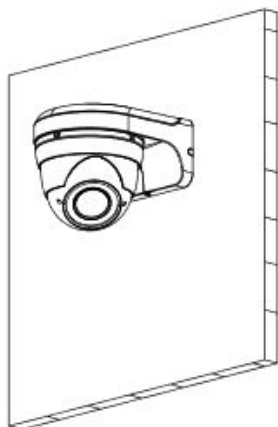
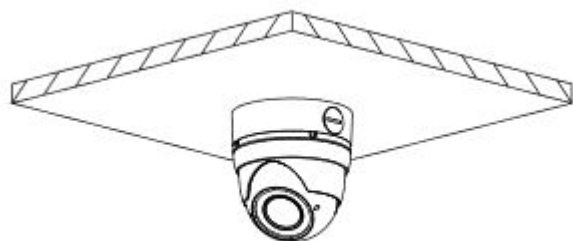
Environmental

Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH* Start up should be done at above -40°C (-40°F)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP67

Construction

Casing	Aluminum
Dimensions	119mm×97.4mm (4.69"×3.83")
Weight	0.56kg (1.23lb)
Gross Weight	0.69kg (1.52lb)

Accessories



Dimensions (mm/in)

