CCTVIreland.ie



COGS-2-BUL-FW



System Overview

Experience 1080P full HD color video and the simplicity of reusing existing coaxial infrastructure with HDCVI. The full-color starlight HDCVI camera presents a high quality color image with rich details even in total darkness conditions. It offers various fixed lens models with a multi-language OSD and HD/SD switchable output. It adopts two powerful warm white LED illuminators, covering an effective range up to 20m(65.61ft). The LEDs switch on automatically in darkness to capture detail-packed full-color images 24/7, ensuring anthentic identification of objects. It is an ideal choice for applications such as schools, retail centers and parking lots.

Functions

Full-color Starlight

The camera adopts F1.6 large aperture lens and 1/2.8" high performance sensor. With higher amount of absorbed light and advanced image processing algorithm, the camera presents an impressive lowlight performance with an exceptional balance between noise reduction and the blur of moving object.

Warm Supplemental lights

With one warm supplemental LED lights, the camera is able to provide a coloful and vivid image even in total darkness. It also provides visible 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 overexposureing of the objects in the image center. Also, the sensitivity and intensity of the LED lights can be remotely controlled by OSD menu.

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.

*Broadcast-quality audio is available for some models of HDCVI cameras.

- · Full-color starlight
- · 20m LED distance
- · Max. 30fps@1080P
- · CVI/CVBS/AHD/TVI Switchable
- · Built-in mic(-A)
- · 2.8mm fixed lens
- · IP67, DC12V±30% DC











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

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

Long Distance Transmission

HDCVI technology guarantees long-distance and real-time transmission without any loss.It supports up to 800m for 1080P Full HD video via coaxial cable, and up to 300m via UTP cable.

Simplicity

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

Multiple-formats

The camera supports multiple video formats including HDCVI, CVBS and other two common HD analog formats in the market. The four formats can be switched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with most end users' existing HD/SD DVRs.

Protection

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.

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Technical Specification		Privacy Masking	Off/On (4 area, rectangle)
Camera		Certification	
Image Sensor	1/2.8 inch 2.16 Mega Pixels CMOS		CE (EN55032, EN55024, EN50130-4,EN60950-1)
Effective Pixels	1920 (H)×1080 (V), 2MP	Certifications	FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-20 UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Electronic Shutter Speed	PAL:1/25s-1/100000s NTSC:1/30s-1/100000s	Interface	
Minimum Illumination	0.005Lux/F1.6, 30IRE, OLux white Light on	Audio Port	Built-in mic (-A)
Fill Light (White Light)	Distance up to 20m (65.61ft)	Port	
Distance	Auto-Manuel	Video Port	Video output choices of CVI/TVI/AHD/CVBS by or BNC port
Fill Light On/Off Control	Auto; Manual	Power	·
Fill Light Number	1	Power Supply	12V ±30% DC
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78°	Power Consumption	Max 3W (12V DC, white light on)
	Rotation: 0°–360°	Environment	
Lens		Livitolillene	
Lens Type	Fixed-focal	Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
Mount Type	M12	Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
Focal Length	2.8mm	Protection Grade	IP67
Max. Aperture	F1.6	Structure	
		Julucture	

Video

Angle of View

DORI Distance

Close Focus Distance

Iris Type

Video Frame Rate	CVI: PAL: 1080@25fps, 720@25fps, 720@50fps; NTSC: 1080@30fps, 720@30fps, 720@60fps AHD: PAL: 1080@25fps,720@25fps; NTSC: 1080@30fps,720@30fps TVI: PAL: 1080@25fps,720@25fps,720@50fps; NTSC: 1080@30fps,720@30fps,720@60fps CVBS: PAL: 960×576H; NTSC: 960×480H		
Resolution	1080P (1920×1080); 720P (1280×720); 960H (704×576/704×480)		
BLC	BLC/HLC/WDR		
WDR	DWDR		
White Balance	Auto; Manual		
Gain Control	Auto; Manual		
Noise Reduction	2D NR		
Smart Light	Yes		
Electronic Defog	Yes		
Digital Zoom	16X		
Mirror	Off/On		

Fixed iris

Detect

55.2m

(181.1ft)

1.2m (3.94ft)

103.6°×86.9°×46.3° (diagonal×horizontal×vertical)

Recognize

11.0m

(36.0ft)

Identify

5.5m

(18.0ft)

Observe

22.1m

(72.5ft)

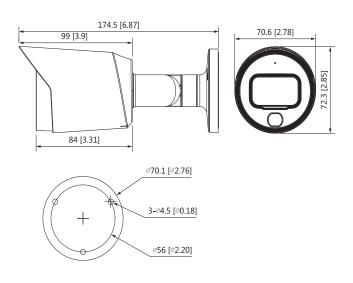
Dimensions (mm[inch])

Casing

Dimensions

Net Weight

Gross Weight



0.34Kg(0.75lb)

0.45Kg(0.99lb)

IMetal throughout the whole casing

174.5mm×70.6mm×72.3mm (6.87"×2.78"×2.85")

