

# CVI-D4100M

4MP HD BNC IR Eyeball Camera



- Max 30fps@4MP
- HD and SD output switchable
- 3.6mm fixed lens
- Max. IR length 30m, Smart IR
- IP67, DC12V



## System Overview

Experience 1080P full HD video and the simplicity of using existing cabling infrastructure. 1080P HD BNC camera features a compact design and offers a high quality image at a friendly price. It offers various vari-focal/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

## Functions

### 4 Signals over 1 Coaxial Cable

HD BNC 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 HD BNC camera to interact with the DVR, such as sending control signal or triggering alarm.

### Long Distance Transmission

HD BNC technology guarantees real-time transmission at long distance without any loss. It supports up to 800m (1080P)/1200m (720P) transmission via coaxial cable, and up to 300m (1080P)/450m (720P) via UTP cable.

### Simplicity

HD BNC technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HD BNC 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.

### Smart IR

The camera is designed with microcrystalline 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.

## Multi-formats

The camera supports multiple video formats including HDCVI, CVBS, TVI and AHD analog formats in the market. The four formats can be switched over through OSD menu or by UTC controller. This feature makes the camera to be compatible with not only HCVRs but also most end users' existing HD/SD DVRs.

## Multi-language OSD

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

## 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. 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.

Technical Specification		Certifications	
Camera		Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Image Sensor	1/2.7" CMOS		
Effective Pixels	2560(H)×1440(V), 4MP		
Scanning System	Progressive		
Electronic Shutter Speed	1/25~1/100000s		
Minimum Illumination	0.03Lux/F2.0, 30IRE, 0Lux IR on		
S/N Ratio	More than 65dB		
IR Distance	Up to 30m		
IR On/Off Control	Auto / Manual		
IR LEDs	12		
Lens		Interface	
Lens Type	Fixed lens / Fixed iris	Audio Interface	N/A
Mount Type	Board-in	Electrical	
Focal Length	3.6mm	Power Supply	12V DC ±30%
Max Aperture	F2.0	Power Consumption	Max 3.7W (12V DC, IR on)
Angle of View	H: 76.4° V: 41.6°	Environmental	
Focus Control	N/A	Operating Conditions	-40°C ~ +60°C / Less than 90% RH * Start up should be done at above -40°C
Close Focus Distance	1400mm	Storage Conditions	-40°C ~ +60°C / Less than 90% RH
		Ingress Protection & Vandal Resistance	IP67
		Construction	
		Casing	Aluminium
		Dimensions	Φ93.4mm×79.4mm
		Net Weigh	0.28kg
		Gross Weight	0.38kg
Video			
Resolution	4MP (2560×1440)		
Frame Rate	25/30fps@4MP, 25/30fps@1080P		
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		