

# BM1400F-C

4MP HDCVI Fixed IR Bullet Camera

## HDCVI



### Functions

#### 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 XVR, 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

#### Long Distance Transmission

HDCVI 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.\* \*Actual results verified by real-scene testing in Dahua's test laboratory

#### 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 approach enables full HD video surveillance without the hassle of configuring a network.

#### Smart IR

The camera is designed with array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's 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 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.

## 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 backlight 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. With working temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Supporting  $\pm 30\%$  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.

Camera					
Image Sensor	1/2.7" CMOS				
Effective Pixels	2560(H)×1440(V), 4MP				
Scanning System	Progressive				
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s				
Minimum Illumination	0.04Lux/F2.0, 30IRE, 0Lux IR on				
S/N Ratio	More than 65dB				
IR Distance	Up to 20m (66feet)				
IR On/Off Control	Auto / Manual				
Lens					
Lens Type	Fixed Lens / Fixed Iris				
Mount Type	Board-In				
Focal Length	3.6mm				
Max Aperture	F2.0				
Angle of View	107° x 89° x 48° (Diagonal x Horizontal x Vertical)				
Focus Control	N/A				
Close Focus Distance	1.1 m (3.6 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6mm	64.0 m (210.0 ft)	25.6 m (84.0 ft)	12.8 m (42.0 ft)	6.4 m (21.0 ft)
Pan / Tilt / Rotation					
Pan/Tilt/Rotation	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°				
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				

Interface	
Audio Interface	N/A
Electrical	
Power Supply	12V DC $\pm$ 30%
Power Consumption	Max. 3.7W (12V DC, IR On)
Environmental	
Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 95% RH * Start Up Should be Done at Above -40°C (-40°F)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 95% RH
Ingress Protection & Vandal	IP67
Construction	
Casing	Aluminium
Dimensions	69.8mm×69.8mm×157.6mm (2.75"×2.75"×6.20")
Net Weight	0.24kg (0.53lb)
Gross Weight	0.29kg (0.64lb)

**Dimension**

