

PIX-HBF514CLB

5 MP Full-color HDCVI Bullet Camera



System Overview

Lite Series is suitable for users who requires high quality monitoring products at a reasonable price. It is cost effective and offers high performance, which makes it an ideal choice for residential and small-medium business applications. This series offers an option of a wide range of technologies such as Full-color and Starlight, providing various solutions for different scenarios.

Functions

Full-color

Full-color camera adopts large aperture lens and high performance sensor. With higher amount of absorbed light and advanced image processing algorithm, the camera provides 24/7 color monitoring that collects clear and vivid information, significantly increasing probability of gathering valid human, vehicle, and event evidence that can be used for further intelligent analysis.

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.

*This function is available for select models.

Wide Dynamic Range

With advanced Wide Dynamic Range (WDR) technology, Pixvideo HDCVI camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Super Adapt

Embedded with intelligent algorithm, for changing external environment, camera can automatically adjust parameters to present the optimal image, and it solves the trouble of configuration.

* The parameters and datasheets below can only be applied to 1509-S2 series.

**In order to use the 5MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to

- V4.001.0000001.0.R.200908 or later version.
- Max 25 fps@5MP (16:9 video output)
- 120 dB true WDR, 3D NR
- 24/7 color imaging
- 40 m illumination distance
- CVI/CVBS/AHD/TVI switchable
- Built-in mic (-A)
- 3.6 mm fixed lens (2.8 mm optional)
- IP67, 12 V DC

Advanced 3D NR

3D NR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. Dahua's advanced 3D NR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3D NR effectively decreases the band width and saves the storage space.

Warm Supplemental Lights

With warm supplemental LED lights, the camera is able to provide a colorful and vivid image even in total darkness. 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 overexposure of the objects in the image center.

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 700 m transmission for 2MP/5MP/8MP HD video via coaxial cable, and up to 300 m via UTP cable.

*Actual results verified by real-scene testing in Pixvideo's test laboratory.

Protection (IP67, Wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

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Technical Specification							Gain Control		Auto; manual
Camera							Noise Reduction		3D NR
Image Sensor							Smart Light		Yes
Max. Resolution							Mirror		Off/On
Pixel							Privacy Masking		Off/On (8 areas, rectangle)
Scanning System							Certifications		
Electronic Shutter Speed							CE (EN55032, EN55024, EN50130-4, EN60950-1)		
S/N Ratio							FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)		
Min. Illumination							UL (UL60950-1+CAN/CSA C22.2 No.60950-1)		
Illumination Distance							Port		
Illuminator On/Off Control							Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Illuminator Number							Audio Input		One channel built-in mic (-A)
Pan/Tilt/Rotation Range							Power		
Pan: 0°-360°							Power Supply		12 V ±30% DC
Tilt: 0°-90°							Power Consumption		Max 6.4 W (12 V DC, warm light on)
Rotation: 0°-360°							Environment		
Lens							Operating Temperature		-40 °C to +60 °C (-40 °F to +140 °F); < 95% (non-condensation)
Lens Type							Storage Temperature		-40 °C to +60 °C (-40 °F to +140 °F); < 95% (non-condensation)
Mount Type							Protection Grade		IP67
Focal Length							Structure		
Max. Aperture							Casing		Metal front cover + plastic main body + metal bracket
Field of View							Camera Dimensions		198.4 mm × 80.2 mm × 76.2 mm (7.81" × 3.15" × 3")
Iris Type							Net Weight		0.33 Kg (0.73 lb)
Close Focus Distance							Gross Weight		0.52 Kg (1.15 lb)
DORI Distance	Lens	Detect	Observe	Recognize	Identify				
	2.8 mm	67.4 m (212.3 ft)	27.0 m (88.6 ft)	13.5 m (44.3 ft)	6.7 m (22.0 ft)				
	3.6 mm	80.0 m (262.5 ft)	32.0 m (105.0 ft)	16.0 m (52.5 ft)	8.0 m (26.2 ft)				
Video									
Frame Rate									
Resolution									
BLC									
WDR									
White Balance									

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Accessories

Optional:



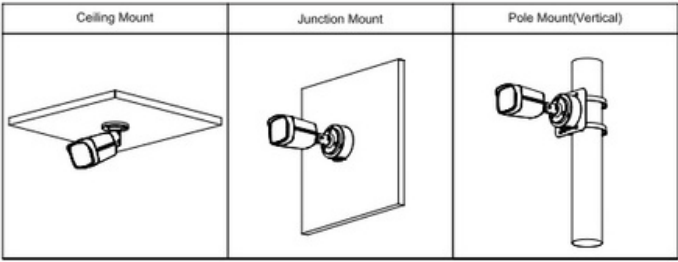
PIX-ACM214
Junction box



PIX-ACM221
Water-proof Junction Box



PIX-ACM203
Pole Mount Bracket



Dimensions (mm[inch])

