



# Optiview



## **HDCD5M-28A-LED**

5MP Full-Color HD-Over-Coax Armor Ball Camera with Built-In Mic



### **5MP Over Coax**

Capture HD video footage with 5MP HD-Over-Coax 2.8 fixed lens with a maximum aperture of F1.



### **Full Color**

Monitor your areas in full-color 24/7, illuminating even in total darkness up to a distance of 131ft.



### **112° View**

Capture even more with an ultra-wide varifocal 112° view with no distortion.



### **IP67**

All metal aluminum housing for indoor and outdoor installations.



### **Built-In Mic**

The HDCD5M-28A-LED comes with a built in mic to help you get even more data from every device.

## **WIDE DYNAMIC RANGE**

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

## **BUILT-IN AUDIO**

The HDCD5M-28A-LED comes with a built-in mic to help give you even more protection than a traditional still video.

## **24/7 FULL-COLOR**

The HDCD5M-28A-LED enables you to monitor your areas with 24/7 color video by adopting night-color technology. This camera provides clear, colorful video down to 0.001 LUX before the built-in LED illuminator kicks on, providing a vivid, colorful image even in total darkness with a range of up to 131ft. By default, night-color technology will automatically adjust the exposure time and light sensitivity simultaneously to avoid overexposing objects in the center of your image.

## **COMMERCIAL GRADE EQUIPMENT**

Built for endurance, this all metal housing is rated IP67, which means it is protected from water and dust. Mount this camera anywhere with its 3-axis cable management bracket. Additional junction boxes and brackets are available for additional installation options, and help further protect your cables and connections.

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## LONG DISTANCE TRANSMISSION

This camera real-time transmission at long distances without any loss by supporting up to 2,297 ft transmission for 2MP / 5MP / 8MP HD video via coaxial cable, and up to 984 ft via UTP cable.

## 4 SIGNALS OVER 1 COAXIAL CABLE

Optiview's HD-Over-Coax 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-Over-Coax camera to interact with the DVR, such as sending control signal or triggering alarm and supports PoC.

## PRODUCT SPECIFICATIONS

CAMREA	
Image Sensor	5MP CMOS
Max. Resolution	2880 (H) × 1620 (V)
Pixel	5MP
Scanning System	Progressive
Electronic Shutter Speed	PAL:1/3 s – 1/100,000 s NTSC:1/4 s – 1/100,000 s
S/N Ratio	> 65 dB
Min. Illumination	0.001 Lux / F1.0, 0 Lux warm light on
Illumination Distance	131.2 ft
Illuminator On/Off Control	Auto; Manual
Illuminator Number	2
Pan / Tilt / Rotation Range	Pan: 0° – 360°
	Tilt: 0° – 78°
	Rotation: 0° – 360°

LENS	
Lens Type	Fixed lens
Mount Type	M12
Focal Length	2.8 mm
Max. Aperture	F1.0
Field of View	112° (H); 57° (V); 132° (D)
Iris Type	Fixed iris
Close Focus Distance	5.25 ft
DORI Distance	Detect: 212.3 ft
	Observe: 88.6 ft
	Recognize: 44.3 ft
	Identify: 22 ft

VIDEO	
Frame Rate	CVI: PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps, NTSC: 5M@25 fps; 4M@30 fps; 1080p@30 fps
	AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps
	TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps
CVBS: PAL: 960H; NTSC: 960H	
Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
BLC	BLC / HLC / WDR / HLC-Pro
WDR	120 dB
White Balance	Auto; Area WB
Gain Control	Auto; Manual
Noise Reduction	3D NR
Smart Light	Yes
Mirror	Off / On
Privacy Masking	Off / On (8 areas, rectangle)

CERTIFICATIONS	
Certifications	CE (EN55032, EN55024, EN50130-4, EN60950-1)
	FCC (CFR 47 FCC Part 15 subpart B, ANSI C63.4-2014)
	UL (UL60950-1+CAN/CSA C22.2 No.60950-1)

PORT	
Video Output	Video output choices of CVI/TVI/AHD/ CVBS by one BNC port
Audio Input	One channel built-in mic (-A)

POWER	
Power Supply	12 V ±30% DC
Power Consumption	Max 6.4 W (12 V DC, warm light on)

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## PRODUCT SPECIFICATIONS CONT.

ENVIRONMENT	
Operating Temperature	-40 °F to +140 °F; < 95% (noncondensation)
Storage Temperature	-40 °F to +140 °F; < 95% (noncondensation)
Protection Grade	IP67

STRUCTURE	
Casing	Metal throughout the whole casing
Camera Dimensions	φ4.17" × 3.69"
Net Weight	1.06 lb
Gross Weight	1.48 lb

## ADDITIONAL PRODUCTS



**OPTIVIEW'S VIDEO MONITORING SOFTWARE**  
Remote Monitoring



**HDVR164K-Q2AI**  
16 Channel, 5 Way Ultra 4K HD DVR w/ Analytics



**HDCD4K-28A**  
4K HD-CVI Wide Angle Armor Ball w/ Audio



**HDCB5ML-VMA**  
5MP Motorized Varifocal HD Bullet Camera w/ Mic



**HDCAD4K-311MU**  
4K / 8MP Varifocal HD Armor Dome Camera

## COMPATIBLE BRACKETS

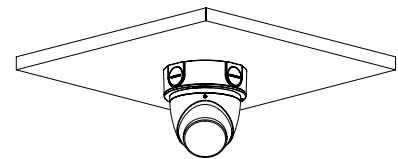


**JB121**  
Junction Box for HD & IP Cameras

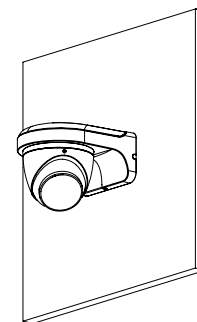


**HDBKT3**  
Junction Box for HD & IP Cameras

## MOUNTING OPTIONS



**Ceiling Mount**



**Wall Mount**

## DIMENSIONS

