

HCC3350T-IR/28

5MP HDCVI IR Turret Camera



- Max. 20fps@5MP
- Built-in mic
- CVI/CVBS/AHD/TVI switchable
- 3.6mm fixed lens (2.8mm optional)
- Max. IR length 30m, Smart IR
- IP67, DC12V



System Overview

Experience superior 5MP video and the simplicity of reusing existing coaxial infrastructure with HDCVI. The Lite series 5MP HDCVI camera features a compact design and offers a high quality image with rich details 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

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.

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.

* 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 700m for 5MP 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 approach enables full HD video surveillance without the hassle of configuring a network.

Smart IR

The camera is designed with IR LED illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Diamond'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. This feature makes the camera compatible with not only XVRs, but also most existing HD/SD DVRs.

*Use OSD menu to switch HDCVI to other video formats. Use PFM820 UTC Controller to switch CVBS to HDCVI video format.

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 ±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.

Technical Specification		Certification	
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		Port Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Effective Pixels		Audio Port Built-in mic	
Electronic Shutter Speed		Power Power Supply 12V±30% DC	
Minimum Illumination		Power Consumption Max 3.7W (12V DC, IR on)	
IR Distance		Environment Operating Temperature -40°C to +60°C (-40°F to +140°F); <95% (non-condensation)	
IR On/Off Control		Storage Temperature -40°C to +60°C (-40°F to +140°F); <95% (non-condensation)	
IR LEDs Number		Protection Grade IP67	
Pan/Tilt/Rotation Range		Structure Casing Inner core: metal+plastic; cover: plastic	
Lens Lens Type Fixed-focal		Dimensions Φ97.0mm×85.8mm (Φ3.82"×3.38")	
Mount Type		Net Weight 0.22kg (0.49lb)	
Focal Length		Gross Weight 0.28kg (0.62lb)	
Max. Aperture			
Angle of View			
Iris Type			
Close Focus Distance			
DORI Distance			
Video			
Video Frame Rate		CVI: PAL: 5M@20fp; 4M@25fp; 1080P@25fp NTSC: 5M@20fp; 4M@30fp; 1080P@30fp AHD: PAL: 5M@20fp; 4M@25fp; 1080P@25fp NTSC: 5M@20fp; 4M@30fp; 1080P@30fp TVI: PAL: 5M@20fp; 4M@25fp; 1080P@25fp NTSC: 5M@20fp; 4M@30fp; 1080P@30fp CVBS: PAL: 960H NTSC: 960H	
Resolution		5M (2592×1944); 4M (2560×1440); 1080P (1920×1080); 960H (960× 576/960×480)	
Day/Night		Auto switch by ICR	
BLC		BLC/HLC/DWDR	
WDR		DWDR	
White Balance		Auto; manual	
Gain Control		Auto; manual	
Noise Reduction		2D NR	
Smart IR		Yes	
Mirror		Off/On	
Privacy Masking		Off/On (8 Area, Rectangle)	

Ordering Information

Type	Part Number	Description
5MP Camera	HCC3350T-IR/28 2.8mm	5MP HDCVI IR Eyeball Camera, PAL
	HCC3350T-IR/28 3.6mm	
	HCC3350T-IR/28 2.8mm	5MP HDCVI IR Eyeball Camera, NTSC
	HCC3350T-IR/28 3.6mm	
	HCC3350T-IR/28 2.8mm	5MP HDCVI IR Eyeball Camera, PAL
	HCC3350T-IR/28 3.6mm	
	HCC3350T-IR/28 2.8mm	5MP HDCVI IR Eyeball Camera, NTSC
	HCC3350T-IR/28 3.6mm	
Accessories	PFA130-E	Junction box (For use alone or with PFA152-E pole mount)
	PFA12A	Plastic Junction box (For use alone)
	PFA152-E	Pole box (For use with PFA130-E junction mount)

Accessories

Optional:



PFA130-E
Junction box
(For use alone or with
PFA152-E pole mount)



PFA12A
Plastic Junction box
(For use alone)



PFA152-E
Pole box
(For use with PFA130-E
junction mount)

Pole Mount	Junction Mount	Wall Mount
PFA130-E+PFA152-E	PFA130-E	PFA12A

Dimensions (mm/inch)

