

HC-2PT-5Z25A

2MP 25x Starlight PTZ HD-over-coax Camera



System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, EmPower series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 25x optical zoom, and has very excellent low light performance due to adopting the latest starlight technology. This series PTZ is equipped with quick and smooth control, high quality image and good protection, which make it can meet most of the requirements of indoor video surveillance applications.

Features

- 1/2.8" 2Megapixel STARVIS[™] CMOS
- Powerful 25x optical zoom
- Starlight technology
- 120dB true WDR, 3D DNR
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- IK10



Functions

4 Signals over 1 Coaxial Cable

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 HCVR, such as sending control signal or triggering alarm. Moreover, HD-over-Coax technology supports PoC for construction flexibility.

* Audio input is available for some models of HD-over-Coax cameras.

Simplicity

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

Starlight Technology

For challenging low-light applications, Unisight's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

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.

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu ncludes 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, talian, Japanese, Korean, Russian and Polish.

Environmental

With a temperature range of -30 °C to +60 °C (-22°F to +140 °F), the camera is designed for extreme temperature environments. he camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force.

Protection

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.



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HC-2PT-5Z25A

Technical Specification				
Camera				
Image Sensor	1/2.8" STARVIS™ CMOS			
Effective Pixels	1920(H) x 1080(V), 2 Megapixels			
Scanning System	Progressive			
Electronic Shutter Speed	PAL: 1/3s~1/30,000s NTSC: 1/4s~1/30,000s			
Minimum Illumination	Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6			
S/N Ratio	More than 55dB			
IR Distance	N/A			
IR On/Off Control	N/A			
IR LEDs	N/A			
Lens				
Focal Length	4.8mm~120mm			
Max. Aperture	F1.6 ~ F4.4			
Angle of View	H: 59.2° ~ 2.4°			
Optical Zoom	25x			
Focus Control	Auto/Manual			
Close Focus Distance	100mm~ 1000mm			

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Noise Reduction	Ultra DNR (2D/3D)
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas
Certifications	
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1
Interface	
Video Interface	1
Audio Interface	1 channel in
RS485	1
Alarm I/O	2/1
Electrical	
Power Supply	AC24V/1.5A(±10%)
Power Consumption	13W
Environmental	
Operating Conditions	-30°C $^{\sim}$ 60°C (-22°F $^{\sim}$ +140°F) / Less than 90% RH
Ingress Protection	N/A
Vandal Resistance	IK10
Construction	
Casing	Metal
Dimensions	Φ198(mm) x 177(mm)
Net Weight	2.2kg(4.85lb)
Gross Weight	3.7kg(8.16lb)

Support

Auto / Manual

BLC / HLC / WDR (120dB)

Auto,ATW,Indoor,Outdoor,Manual

OSD Menu

Gain Control

Backlight Compensation White Balance

DORI Distance

Detect

*Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

Recognize

Identify

Observe

Deteot	observe			lacitary		
1613m(5259ft)	646m(2119ft)		323m(1060ft)	161m(528ft)		
PTZ						
Pan/Tilt Range		Pan: 0° \simeq 360° endless; Tilt: 0° \simeq 90°,auto flip 180°				
Manual Control Speed		Pan: 0.1° ~350° /s; Tilt: 0.1° ~250° /s				
Preset Speed		Pan: 500° /s; Tilt: 500° /s				
Presets		300				
PTZ Mode		5 Pattern, 8 Tour, Auto Pan ,Auto Scan				
Speed Setup		Human-oriented focal Length/ speed adaptation				
Power up Action		Auto restore to previous PTZ and lens status after power failure				
Idle Motion		Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period				
Protocol		UNS-SD, Pelco-P/D (Auto recognition)				
Video						
Resolution		1080P(1920×1080)/720P(1280×720)				
Frame Rate		25/30fps@1080P, 25/30/50/60fps@720P				
Video Output		1-channel BNC high definition video output/ CVBS standard definition video output (switchable)				
Day/Night		Auto(ICR) / Color / B/W				



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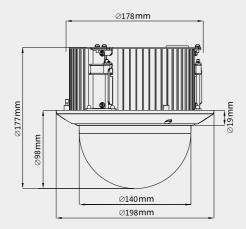
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Accessories (Included)



AC24V/3A Power Adapter

Dimensions(mm)





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