

DH-SD52C230U-HNI

2MP 30x Starlight PTZ Network Camera



- · 1/2.8" 2Megapixel STARVIS™ CMOS
- · Powerful 30x optical zoom
- Starlight technology
- · H.265 Encoding
- Max. 50/60fps@1080P
- · Auto-tracking and IVS
- · Support PoE+
- · IK10













System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, this camera can provide large monitoring range and great detail. The camera has very excellent low light performance due to adopting the latest starlight technology. The camera is equipped with smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

Functions

Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005lux. 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.

Auto-tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

PFA Technology

PFA technology has innovatively introduced new methods of judgment to ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms. PFA ensures clarity of the image throughout the process of zooming and shortens focus time. The realization of PFA technology substantially improves user experience and increases product value.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -30°C $^{\sim}$ 60°C (-22°F $^{\sim}$ +140°F) with 95% humidity. The camera complies with the IK10 Vandal Resistance impact rating.

Protection

The camera allows for $\pm 10\%$ input voltage tolerance, suitable for the unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.



Tripole Tri	Technical Spec	ification					Auto Tracking	Support
Manual	Technical Specification				•			
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Scarring System								
Section Sec							•	H.265+/H.265/H.264+/H.264
Minimum Min							Streaming Capability	
Main stream: 1080P(1 3M/720P(1 50)60P(9) IR Distance							Resolution	
No Distance							Frame Rate	Main stream: 1080P/1.3M/720P(1~50/60fps)
IR CH/OFF CONTROL IR LEDS								Sub stream1: D1/CIF(1 ~ 25/30fps)
Bit Rate Control CBR/VBR								
Lens Lens							Rit Rate Control	
Protail Length			N/A					
Max. Aperture F1.6 ~ F4.4 Angle of View H: 67.8" ~ 2.4" Optical Zoom 30x	Lens							
Max. Aperture F16-*F44 Angle of View H: 67.8° - 2.4° Optical Zoom 30x Motion Detection Support Close Focus Distance 100mm* 1000mm DORI Distance 100mm* 1000mm DORI Distance 100mm* 1000mm 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 a disculated based on sensor specification and allo test restrict according to Nt octored to Nt	Focal Length		4.5mm~13	35mm				
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Management Software Compart DSC DCC DMCC	Intelligence					Web Viewer	IE, Chrome, Firefox, Safari	
motion detection, video tampering, occine	Event Trigger		Motion detection, Video tampering , Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly			Management Software	Smart PSS, DSS, DMSS	
						Smart Phone	IOS, Android	

Certifications

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1
Certifications	FCC: Part15 subpartB,ANSI C63.4- 2014

Interface

Video Interface	N/A
RS485	N/A
Audio I/O	1/1
Alarm I/O	2/1

Electrical

Power Supply	AC24V/1.5A(±10%), PoE+(802.3at)
Power Consumption	13W

Environmental

Operating Conditions	$\text{-}30^{\circ}\text{C} {}^{\sim}60^{\circ}\text{C}$ (-22°F $^{\sim}$ +140°F) / Less than 95% RH	
Ingress Protection	N/A	
Vandal Resistance	IK10	

Construction

Casing	Metal
Dimensions	Ф198(mm) x 177(mm)
Net Weight	2.2kg(4.85lb)
Gross Weight	3.7kg(8.16lb)

Ordering Information

Туре	Part Number	Description
	DH-SD52C230U-HNI	2MP 30x Starlight PTZ Network Camera, WDR, PAL
2MP PTZ	DH-SD52C230UN-HNI	2MP 30x Starlight PTZ Network Camera, WDR, NTSC
Camera	SD52C230U-HNI	2MP 30x Starlight PTZ Network Camera, WDR, PAL
	SD52C230UN-HNI	2MP 30x Starlight PTZ Network Camera, WDR, NTSC
Accessories	AC24V/1.5A	Power Adapter

Accessories

Included:



Dimensions (mm)



