

DH-SD6CE230U-HNI

2MP 30x Starlight IR PTZ Network Camera





- 1/2.8" 2Megapixel STARVIS™ CMOS
- · Powerful 30x optical zoom
- Starlight technology
- Max. 50/60fps@1080P
- Auto-tracking and IVS
- · IR distance up to 200m
- · Support PoE+
- · IP67, 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 -40°C ~ 70°C (-40°F ~ +158°F) with 95% humidity. The camera complies with the IK10 Vandal Resistance impact rating. Subjected to rigorous dust and water immersion tests and certified to the IP67 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for ±25% input voltage tolerance, suitable for the unstable conditions for outdoor applications. Its 8KV 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.



Technical Specification				Auto Tracking	Support	
Camera				IVS	Tripwire, Intrusion, Abandoned/Missing	
Image Sensor	nsor 1/2.8" STARVIS™ CMOS			Advanced Intelligent Functions	Face Detection, Heat Map	
Effective Pixels 1920(H) x 1080(V), 2 Megapixels			Video			
RAM/ROM 1024M/128M			Compression	H.265+/H.265/H.264+/H.264/MJPEG(Sub Stream)		
Scanning System Progressive			Streaming Capability	3 Streams		
Electronic Shutter Speed 1/1s~1/30,000s			Resolution	1080P(1920×1080)/720P(1280×720)/		
Minimum Illuminati	Minimum Illumination Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6; OLux@F1.6 (IR on)			Resolution	D1(704×576/704×480)/CIF(352×288/352×240) Main stream: 1080P/1.3M/ 720P(1~50/60fps)	
IR Distance Distance up to 200m (656ft)			Former Date	Sub stream1: D1/CIF(1 ~ 25/30fps)		
IR On/Off Control	Auto	Auto/Manual			Frame Rate	Sub stream2: 1080P/1.3M/720P/D1/CIF
IR LEDs	6					(1~25/30fps)
Lens					Bit Rate Control	CBR/VBR
Focal Length	4.5r	mm~135mm			Bit Rate	H.265/H.264: 448K ~ 8192Kbps
Max. Aperture	F1.6	5 ~ F4.4			Day/Night	Auto(ICR) / Color / B/W
					Backlight Compensation	BLC / HLC / WDR (120dB)
Angle of View H: 67.8° ~ 2.4°				White Balance	Auto, ATW, Indoor, Outdoor, Manual	
Optical Zoom 30x					Gain Control	Auto / Manual
Focus Control Auto		Auto/Manual			Noise Reduction	Ultra DNR (2D/3D)
Close Focus Distance 100m		100mm~ 1000mm			Motion Detection	Support
DORI Distance					Region of Interest	Support
pinpoint the right ca	amera for your needs	roximity" of distance whi	culated based on		Electronic Image Stabilization (EIS)	Support
		nd Identify respectively.			Defog	Support
Detect	Observe	Recognize	Identify		Digital Zoom	16x
1862m(6109ft)	744m(2441ft)	372m(1220ft)	186m(610ft)		Flip	180°
PTZ					Privacy Masking	Up to 24 areas
Pan/Tilt Range	Pan	: 0° ~ 360° endless; Tilt: -2	20° ~ 90°,auto flip 180°	•	Audio	
Manual Control Spe		Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s Pan: 300° /s; Tilt: 200° /s			Compression	G.711a/G.711Mu/AAC/G.722 / G.726/G.729/ MPEG2-L2
					Network	
		500 E Dattorn & Tour Auto Dan Auto Scan			Ethernet	RJ-45 (10Base-T/100Base-TX)
		5 Pattern, 8 Tour, Auto Pan ,Auto Scan Human-oriented focal Length/ speed adaptation			Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SMMP, RTSP, RTP, SMTP, NTP, DHCP,
Power up Action		Auto restore to previous PTZ and lens status after power failure			Interoperability	DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x ONVIF Profile S&G, API
Idle Motion		Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period			Streaming Method	Unicast / Multicast
		DH-SD, Pelco-P/D (Auto recognition)			Max. User Access	20 users
Intelligence			Edge Storage	NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 256GB		
		Motion detection, Video tampering , Scene			Web Viewer	IE, Chrome, Firefox, Safari
Event Trigger		changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly			Management Software	Smart PSS, DSS, DMSS
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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

Interface

Video Interface	1 port(BNC, 1.0V[p-p], 75Ω)
RS485	1
Audio I/O	1/1
Alarm I/O	7/2

Electrical

Power Supply	AC24V/3A(±25%), PoE+(802.3at)
Power Consumption	17W, 25W(IR On, Heater On)

Environmental

Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	ф209×337.4mm
Net Weight	5.8kg(12.79lb)
Gross Weight	9.1kg(20.06lb)

Ordering Information			
Туре	Part Number	Description	
2MP PTZ Camera	DH-SD6CE230U-HNI	2MP 30x Starlight IR PTZ Network Camera, WDR, PAL	
	DH-SD6CE230UN-HNI	2MP 30x Starlight IR PTZ Network Camera, WDR, NTSC	
	SD6CE230U-HNI	2MP 30x Starlight IR PTZ Network Camera, WDR, PAL	
	SD6CE230UN-HNI	2MP 30x Starlight IR PTZ Network Camera, WDR, NTSC	
	PFB305W	Wall Mount	
	AC24V/3A	Power Adapter	
	PFA111	Mount Adapter	
	PFA140	Power Box	
Accessories	PFB300C	Ceiling Mount	
	PFA120	Junction Box	
	PFA150	Pole Mount	
	PFA151	Corner Mount	
	PFB303S	Parapet Mount	

Accessories

Included:



PFB305W Wall Mount



AC24V/3A Power Adapter

Optional:



PFA111 Mount Adapter



PFA140 Power Box



PFB300C Ceiling Mount



PFA120 Junction Box



PFA150 Pole Mount



PFA151 Corner Mount



PFB303S Parapet Mount

Ceiling Mount	Junction Mount
PFA111 + PFB300C	PFB305W
Power Box Mount	Pole Mount
PFB305W + PFA140	PFB305W + PFA150
Corner Mount	Parapet Mount
PFB305W + PFA151	PFA111+ PFB303S

Dimensions (mm)





