

DH-SD60430U-HNI

4MP 30x PTZ Network Camera



- · 1/3" 4Megapixel CMOS
- · Powerful 30x optical zoom
- · H.265 Encoding
- Max. 25/30fps@4M/3M, 25/30/50/60fps@1080P
- · Auto-tracking and IVS
- Support PoE+
- · IP67, IK10













System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, the camera can provide large monitoring range and great detail. It is equipped with quick and smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

Functions

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 to +70 °C (-40 °F to +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 most 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.





Pro Series	DH-2D6	04300-HNI			
Technical Spe	cification			Auto Tracking	Support
Camera				IVS	Tripwire, Intrusion, Abandoned/Missing
Image Sensor 1/3" CMOS		Advanced Intelligent Functions	Face Detection, Heat Map		
Effective Pixels 2592(H) x 1520(V), 4 Megapixels		rels	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	4M(2592×1520)/3M(2304×1296)/1080P(1920× 1080)/720P(1280×720)/D1(704×576/704×480)/
Minimum Illuminati	ion C	Color: 0.05Lux@F1.6; B/W: 0	.005Lux@F1.6	Resolution	CIF(352×288/352×240)
IR Distance	N	N/A			Main stream: 4M/3M(1~25/30fps), 1080P/1.3M/720P(1~50/60fps)
IR On/Off Control	N	N/A		Frame Rate	Sub stream1: D1/CIF(1 ~ 25/30fps)
IR LEDs	N	N/A			Sub stream2: 1080P/1.3M/720P/D1/CIF (1~25/30fps)
Lens				Bit Rate Control	CBR/VBR
Focal Length	4	I.5mm~135mm		Bit Rate	H.265/H.264: 448K ~ 8192Kbps
Max. Aperture	F	1.6 ~ F4.4		Day/Night	Auto(ICR) / Color / B/W
Angle of View	Н	H: 60° ~ 2.2°		Backlight Compensation	BLC / HLC / WDR (120dB)
Optical Zoom 30x		White Balance	Auto, ATW, Indoor, Outdoor, Manual		
Focus Control	А	Auto/Manual		Gain Control	Auto / Manual
Close Focus Distanc	ee 1	.00mm~ 1000mm		Noise Reduction	Ultra DNR (2D/3D)
DORI Distance				Motion Detection	Support
*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			Region of Interest	Support	
sensor specification and lab test result according to EN 62676-4 v criteria for Detect, Observe, Recognize and Identify respectively.		nich defines the	Electronic Image Stabilization (EIS)	Support	
Detect	Observe	Recognize Identify		Defog	Support
2700m(8858ft)	1080m(3543ft)) 540m(1772ft)	270m(886ft)	Digital Zoom	16x
PTZ				Flip	180°
Pan/Tilt Range	Р	Pan: 0° ~ 360° endless; Tilt: -2	0° ~ 90°,auto flip 180°	Privacy Masking	Up to 24 areas
Manual Control Spe	eed P	Pan: 0.1° ~300° /s; Tilt: 0.1° ~	150° /s	Audio	
Preset Speed	Р	Pan: 600° /s; Tilt: 500° /s		Compression	G.711a/G.711Mu/AAC/G.722 / G.726/G.729/ MPEG2-L2
Presets		300		Network	
PTZ Mode		5 Pattern, 8 Tour, Auto Pan ,Auto Scan		Ethernet	RJ-45 (10Base-T/100Base-TX)
		Human-oriented focal Length/ speed adaptation Auto restore to previous PTZ and lens status after		Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x
Power up Action power failure		arra reno statas arter	Interoperability	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
Protocol		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		
Event Trigger		Motion detection, Video tampering , Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly		Web Viewer	IE, Chrome, Firefox, Safari
				Management Software	Smart PSS, DSS, DMSS



Smart Phone

IOS, Android

Certifications

	CE: EN55032/EN55024/EN50130-4	
Certifications	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	13W,20W (Heater on)

Environmental

Operating Conditions	-40°C $^{\sim}$ 70°C (-40°F $^{\sim}$ +158°F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	Ф222(mm) x 292(mm)
Net Weight	3.5kg(7.72lb)
Gross Weight	7.5kg(16.53lb)

Ordering Information

Туре	Part Number	Description		
	DH-SD60430U-HNI	4MP 30x PTZ Network Camera, WDR, PAL		
4MP PTZ	DH-SD60430UN-HNI	4MP 30x PTZ Network Camera, WDR, NTSC		
Camera	SD60430U-HNI	4MP 30x PTZ Network Camera, WDR, PAL		
	SD60430UN-HNI	4MP 30x PTZ Network Camera, WDR, NTSC		
	PFB303W	Wall Mount		
	PFA111	Mount Adapter		
	AC24V/3A	Power Adapter		
	PFA140	Power Box		
Accessories	PFB300C	Ceiling Mount		
	PFA120	Junction Box		
	PFA150	Pole Mount		
	PFA151	Corner Mount		
	PFB303S	Parapet Mount		

Accessories

Included:



PFB303W Wall Mount



PFA111 Mount Adapter



AC24V/3A Power Adapter

Optional:



PFA140 Power Box



PFB300C Ceiling Mount



PFA120 Junction Box



PFA150 Pole Mount



PFA151 Corner Mount



PFB303S Parapet Mount

Ceiling Mount	Junction Mount
PFA111 + PFB300C	PFA111 + PFB303W + PFA120
Power Box Mount	Pole Mount
PFA111 + PFB303W + PFA140	PFA111 + PFB303W + PFA150
Corner Mount	Parapet Mount
PFA111 + PFB303W + PFA151	PFA111+ PFB303S



Dimensions (mm)



