

DH-SD60230U-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, 25/30/50/60fps@720P
- · Auto-tracking and IVS
- · Support PoE+
- · IP67, IK10



System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD60 series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 50/60 fps, with 30x optical zoom, and has very excellent low light performance due to adopting the latest starlight technology. SD60 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 video surveillance applications.

Functions

Starlight Technology

Thanks to our experience and expertise in hardware and software development, the camera is equipped with the latest image processing algorithm, high performance hardware and high quality optical components, which make the camera have very exellent low light performance. In most conditions, this camera can deliver clear, bright and low-noise color images.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Auto-tracking

The camera supports auto-tracking. The tracking action can be triggered manually or automatically by defined rules. Once rules are triggered, the camera can zoom in and track the defined target automatically.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Environmental

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

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.

Interoperability

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



Camera Compression H.265/H.264 / MJPEG Image Sensor 1/2.8" STARVIS™ CMOS Streaming Capability 3 Streams Effective Pixels 1920(H) x 1080(V), 2 Megapixels Resolution 1080P(1920x1080)/1.3M(1280x96720)(17(04x576/704x480)/CIF(35 P20)/D17(704x576/704x480)/CIF(35 P20)/D17(704x576/704x480)/D17(704x576/704x480)/D17(704x576/704x480)/D17(704x576/704x480)/D17(704x576/704x480)/D17(704x576/704x480)/D17(704x576/704x480)/D17(704x576/704x480)/D17(704x576/704x480)/D17(704x57	22×288/352×240) ~ 25/30fps) 30fps)
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Digital Zoom 16x	
DORI Distance	
*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.	
Detect Observe Recognize Identify	
Compression G.711a/G.711Mu/AAC/G.722 / G.72 1862m(6109ft) 744m(2441ft) 372m(1220ft) 186m(610ft) MPEG2-L2	26/G.729/
PTZ Network	
Pan/Tilt Range Pan: 0° ~ 360° endless; Tilt: -20° ~ 90°, auto flip 180° Ethernet RJ-45 (10/100Base-T)	
Manual Control Speed Pan: 0.1° ~300° /s; Tilt: 0.1° ~150° /s Protocol IPv4/IPv6,HTTP,HTTPS,SSL,TCP/IP, ICMP,IGMP,SNMP,RTSP,RTP, SMTP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS	NTP, DHCP,
Preset Speed Pan: 600° /s; Tilt: 500° /s Interoperability ONVIF, PSIA, CGI	,,501,,501,,502,124
Presets 300 Streaming Method Unicast / Multicast	
PTZ Mode 5 Pattern, 8 Tour, Auto Pan ,Auto Scan Max. User Access 20 users	
Speed Setup Human-oriented focal Length/ speed adaptation NAS (Network Attached Storage), Li	
Power up Action power failure	28GB
Idle Motion Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period Web Viewer IE, Chrome, Firefox, Safari	
Protocol DH-SD, Pelco-P/D (Auto recognition) Management Software Smart PSS, DSS	
Intelligence Smart Phone IOS, Android	
Auto Tracking Support Certifications	
IVS Tripwire, Intrusion, Abandoned/Missing, Face Detection CE: EN55032/EN55024/EN50130-4 Certifications FCC: Part15 subpartB, ANSI C63.4-1 UL: UL60950-1+CAN/CSA C22.2, No.	

Interface

Video Interface	1
Audio Interface	1/1
RS485	1
Alarm	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 90% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	Ф222(mm) x 297(mm)
Net Weight	6.2kg(13.67lb)
Gross Weight	7.5kg(16.53lb)

Ordering Information Part Number Description Type 2MP 30x Starlight PTZ Network DH-SD60230U-HNI Camera, WDR, PAL 2MP 30x Starlight PTZ Network DH-SD60230UN-HNI Camera, WDR, NTSC 2MP PTZ Camera 2MP 30x Starlight PTZ Network SD60230U-HNI Camera, WDR, PAL 2MP 30x Starlight PTZ Network SD60230UN-HNI Camera, WDR, NTSC PFB303W Wall Mount PFA111 Mount Adapter AC24V/3A Power Supply PFA140 Power box PFB300C Ceiling Mount Accessories PFA120 Junction Box PFA150 Pole Mount PFA151 Corner Mount PFB303S Parapet mount

Accessories

Included:



Wall Mount





PFA111 Mount Adapter



AC24V/3A Power Supply

Optional:



PFA140 Power box



PFB300C Ceiling Mount



PFA120 Junction Box



PFA150 Pole Mount



PFA151 Corner Mount



PFB303S Parapet Mount

Ceiling Mount	Junction Mount
PFA110 + PFB300C	PFA110 + PFB300S + PFA120
Power Box Mount	Pole Mount
PFA110 + PFB300S + PFA140	PFA110 + PFB300S + PFA150
Corner Mount	Parapet Mount
PFA110 + PFB300S + PFA151	PFA110 + PFB303S



Dimensions (mm)



