

DH-SD65F230F-HNI

2MP 30x Starlight PTZ Network Camera



- · 1/1.9" 2Megapixel CMOS
- · Powerful 30x optical zoom
- · Starlight technology
- · Max. 30fps@1080P and 60fps@720P
- · Auto tracking and IVS
- · Support PoE+
- IP67,IK10



System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, this series provides an all-in-one solution for capturing long distance video surveillance for outdoor applications. with its Starlight Technology, the camera is the perfect solution for lowlight applications. The series combines a day/night mechanical IR cut filter for the highest image quality for variable lighting conditions during the day and True WDR for applications with direct sunlight or glare.

Functions

Starlight Technology

Featuring Dahua's Starlight Technology, this camera is ideal for applications with challenging lighting conditions. Its low-light performance delivers usable video with minimal ambient light. Even in extreme low-light conditions, Starlight Technology is capable of delivering color images in near complete darkness (0.002 lux).

Wide Dynamic Range

Embeded 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.

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 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

Supporting $\pm 25\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 8KV lightning rating provides protectection 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.



Ultra Series | DH-SD65F230F-HNI

Technical Specification

Camera

eamera	
Image Sensor	1/1.9" CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
RAM/ROM	1024M/64M
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/300,000s
Minimum Illumination	Color: 0.002Lux@F1.5; B/W:0.0002Lux@F1.5
S/N Ratio	More than 56dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A
Lens	
Focal Length	6mm~180mm
Max. Aperture	F1.5~ F4.3
Angle of View	H: 61.2° ~ 2.1°
Optical Zoom	30x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

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	
1920m(6299ft)	768m (2520ft)		384m(1260ft)	192m(630ft)	
PTZ					
Pan/Tilt Range		Pan: 0	° ~ 360° endless; Tilt: -2	0° ~ 90°,auto flip 180°	
Manual Control Spee	ed	Pan: 0.	1° ~300° /s; Tilt: 0.1° ~:	150° /s	
Preset Speed		Pan: 60	00° /s; Tilt: 500° /s		
Presets		300			
PTZ Mode		5 Pattern, 8 Tour, Auto Pan ,Auto Scan			
Speed Setup	Speed Setup		Human-oriented focal Length/ speed adaptation		
Power up Action		Auto re power	estore to previous PTZ a failure	and lens status after	
Idle Motion		Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period			
Protocol			DH-SD, Pelco-P/D (Auto recognition)		
Intelligence					
Auto Tracking		Suppo	rt		
IVS		Tripwin Detect	e, Intrusion, Abandone ion	d/Missing, Face	

CompressionH.264 / MIPEGStreaming Capability3 StreamsResolution3 StreamsResolution1080P(1°25/30fps), 720P(1°30×720)/D1(704×576/ 704-480)/CT(1°32×288/352×240)Frame Rate Sub stream11080P(1°25/30fps), 720P(1°50/60fps)Bit RateD1/CIF(1 ~ 25/30fps)Bit Rate ControiCBR/VBRBit Rate ControiCBR/VBRBit RateH.264: 448K~8192Kbps, MIPEG: 4096K~20480KbpsDay/NightAuto(ICR) / Color / B/WBacklight CompressionBLC / HLC / WDR(120dB)Backlight ControiKuto / ManualNoise ReductionVultra DNR (2D/3D)Motion DetetionSupportGain ControiSupportNoise ReductionSupportPeriod finterestSupportStabilization (EIS)SupportDefogSupportPrivacy MaskingUp to 24 areasAudioPrivacy MaskingUp to 24 areasAudioNetworkItan (20/100Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)Stabilization (EIS)R.45 (10/L00Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)ProtocolIP44(10/L00Base-T)Stabilization (EIS)RCP/IP51, FP, IP Fil	Video			
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Streaming Method Unicast / Multicast Max. User Access 20 users Edge Storage NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS Smart Phone IOS, Android Certifications CE: ENS5032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014	Protocol		ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP,	
Max. User Access 20 users Edge Storage NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS Smart Phone IOS, Android Certifications CE: ENS5032/ENS5024/ENS0130-4 FCC: Part15 subpartB,ANSI C63.4-2014	Interoperability		ONVIF, PSIA, CGI	
Edge Storage NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS Smart Phone IOS, Android Certifications CE: ENS5032/ENS5024/ENS0130-4 FCC: Part15 subpartB,ANSI C63.4- 2014	Streaming Method		Unicast / Multicast	
Edge Storage instant recording, Micro SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS Smart Phone IOS, Android Certifications CE: ENS5032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014	Max. User Access		20 users	
Management Software Smart PSS, DSS Smart Phone IOS, Android Certifications CE: ENS5032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4-2014	Edge Storage		•	
Smart Phone IOS, Android Certifications CE: EN55032/EN55024/EN50130-4 Certifications FCC: Part15 subpartB,ANSI C63.4-2014	Web Viewer		IE, Chrome, Firefox, Safari	
Certifications CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014	Management So	ftware	Smart PSS, DSS	
CE: EN55032/EN55024/EN50130-4 Certifications FCC: Part15 subpartB,ANSI C63.4- 2014	Smart Phone		IOS, Android	
Certifications FCC: Part15 subpartB,ANSI C63.4- 2014	Certifications			
	Certifications		FCC: Part15 subpartB,ANSI C63.4- 2014	

Ultra Series | DH-SD65F230F-HNI

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	Φ242(mm) x 341 (mm)
Net Weight	7.5kg(16.53lb)
Gross Weight	8.25kg(18.19lb)

Ordering Information

Part Number	Description
DH-SD65F230F-HNI	2MP 30x Starlight PTZ Network Camera, WDR, PAL
DH-SD65F230FN-HNI	2MP 30x Starlight PTZ Network Camera, WDR, NTSC
SD65F230F-HNI	2MP 30x Starlight PTZ Network Camera, WDR, PAL
SD65F230FN-HNI	2MP 30x Starlight PTZ Network Camera, WDR, NTSC
PFB303W	Wall Mount
PFA111	Mount Adapter
AC24V/3A	Power Supply
PFA140	Power box
PFB300C	Ceiling Mount
PFA120	Junction Box
PFA150	Pole Mount
PFA151	Corner Mount
PFB303S	Parapet mount
	DH-SD65F230F-HNI DH-SD65F230F-HNI SD65F230F-HNI SD65F230FN-HNI PFB303W PFA111 AC24V/3A PFA140 PFB300C PFA120 PFA150 PFA151

Accessories

Included:

Optional:



Wall Mount

PFA140

Power box

PFA150

Pole Mount



PFA111

Mount Adapter



AC24V/3A Power Supply







PFA120 Junction Box





PFA151

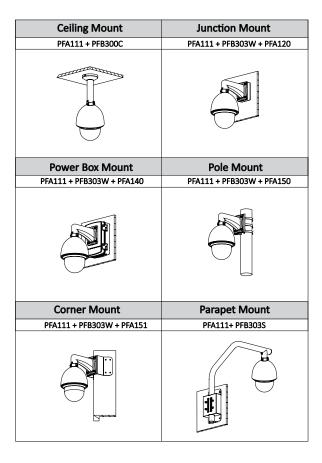
Corner Mount

PFB300C

Ceiling Mount



PFB303S Parapet Mount





Ultra Series | DH-SD65F230F-HNI

Dimensions (mm)

