



### DCS-F5820

#### 2MP 20X DAY & NIGHT PTZ DOME CAMERA

#### KEY FEATURES

##### Optics

- Accurate and fast focusing
- The third-generation infrared technology
- Smart IR, up to 150 m (492ft) IR distance
- Optical glass window with higher light transmittance
- IR anti-reflection window to increase the infrared transmittance
- 120dB true WDR

##### Compression

- Ultra 265, H.265, H.264, MJPEG
- Embedded smart algorithm
- Triple streams
- Customized OSD

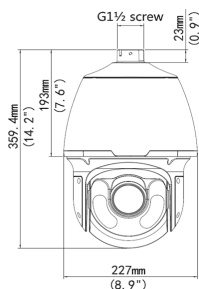
##### Network

- ONVIF Conformance

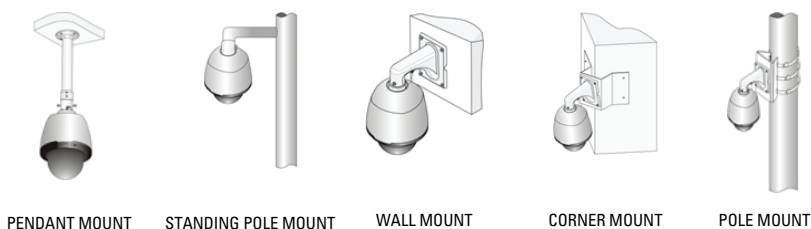
##### Structure

- Special structure and window design to battle bad weather (especially in dusty weather)
- Innovative snow-removing functionality
- More effective heat dissipation system
- Intelligent temperature control technology
- 6 KV surge protection designed for network interface

#### DIMENSIONS



#### INSTALLATION



Camera					
Sensor	1/2.8", progressive scan, 2.0megapixel, CMOS				
Lens	5.2 ~ 104 mm , AF automatic focusing and motorized zoom lens				
Digital Zoom	16				
Optical Zoom	20				
DORI Distance	Lens	Detect(m)	Observe(m)	Recognize(m)	Identify(m)
	5.2mm	85.1	34	17	8.5
	104mm	1701.8	680.7	340.4	170.2
Angle of View (H)	60.2°~ 3.0°				
Angle of View (V)	38.6° ~2.0°				
Angle of View (O)	79.5° ~4.2°				
Adjustment angle	Pan: 0°~360°		Tilt: 0°~90°	Rotate:0°~360°	
Shutter	Auto/Manual; shutter time: 1 ~ 1/100000 s				
Minimum Illumination	Colour: 0.001 lux (F1.5, AGC ON) 0 lux with IR				
Iris	Auto/Manual; F1.5 ~ F3.0				
Day/Night	IR-cut filter with auto switch (ICR)				
Digital noise reduction	2D/3D DNR				
S/N	>52dB				
IR Range	UP to 150m (492ft)				
Defog	Digital Defog				
WDR	120dB				
Video					
Video Compression	Ultra 265,H.265, H.264, MJPEG				
H.264 code profile	Baseline profile, Main Profile, High Profile				
Frame Rate	Main Stream:2MP (1920×1080):Max. 30 fps; Sub Stream:2MP (1920×1080):Max. 30 fps; Third Stream: D1 (720×576): Max. 30 fps				
HLC	Supported				
BLC	Supported				
EIS	Supported				
OSD	Up to 8 OSDs				
Privacy Mask	Up to 24 areas				
ROI	Up to 8 areas				
Motion Detection	Up to 4 areas				
Smart					
Behavior Detection	Intrusion, cross line, motion detection,auto tracking				
Intrusion	Enter and loiter in a pre-defined virtual region				
cross line	Cross a pre-defined virtual line				
motion detection	Moving within a pre-defined virtual region				
Recognition	Face detection、Audio detection				
Intelligent Identification	Defocus, Scene Change, Object Left, Object Moving				
Statistical Analysis	People counting				
General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP				

Audio	
Audio Compression	G.711
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8 KHZ
Storage	
Edge Storage	Micro SD, up to 128 GB
Network Storage	ANR
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP,TLS,SSL
Compatible Integration	ONVIF(Profile S, Profile G),API
Pan & Tilt	
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 240°/s
	Preset speed: 300°/s
Tilt Range	-15° ~ +90° (auto reverse)
Tilt Speed	0.1° ~ 160°/s
	Preset speed: 240°/s
Number of Presets	1024
Patrol	Up to 16 patrols, up to 32 presets per patrol
Home Position	Supported
Interface	
Audio I/O	Audio cable
	Input: impedance 35 kΩ; amplitude 2 V [p-p]
	Output: impedance 600 Ω; amplitude 2 V [p-p]
Alarm I/O	1/ 1
Network	1 RJ45 10M/100M Base-TX Ethernet
General	
Power	24 V AC±25%, 24 V DC±25%, PoE (PSE Required)
	Power consumption: 9 ~ 42W
Dimensions(ØxH)	Ø227x359.4 mm (Ø8.9" x 14.2")
Weight	5.28 kg (11.6lb)
Working Environment	-40°C ~ 65°C (-40°F ~ 149°F),Humidity :10%~95% RH(non-condensing)
Ingress Protection	IP66