

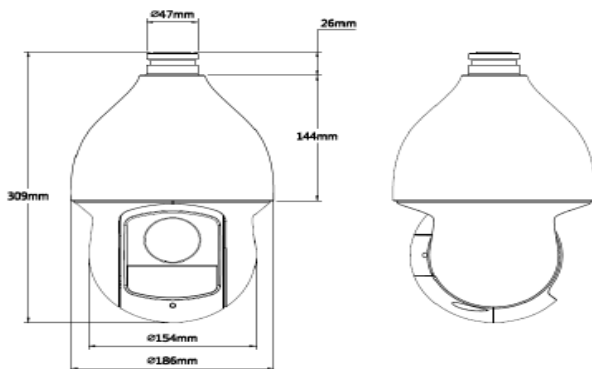
## SPECIFICATION



### FEATURES

- 1/2.8" 2Megapixel Exmor R CMOS
- Powerful 30x optical zoom
- Starlight technology
- H.265 Encoding
- Max. 50/60fps@1080P, 25/30/50/60fps@720P
- Auto-tracking and IVS(Optional)
- Support PoE+
- IR distance up to 150m
- IP66

### DIMENTION



Camera		
Image Sensor	1/2.8" Exmor R CMOS	
Effective Pixels	1920(H) x 1080(V), 2Megapixels	
RAM/ROM	512M/128M	
Scanning System	Progressive	
Minimum Illumination	Color: 0.005Lux@F1.6; 0Lux@F1.6 (IR on)	
S/N Ratio	More than 55dB	
IR Distance	Distance up to 150m (492ft)	
IR On/Off Control	Auto/Manual	
IR LEDs	IR LEDs	
Lens		
Focal Length	4.5mm-135mm	
Max. Aperture	F1.6 ~ F4.4	
Angle of View	H: 67.8° ~ 2.4°	
Optical Zoom	30x	
Focus Control	Auto/Manual	
Close Focus Distance	100mm~ 1000mm	
PTZ		
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, auto flip 180°	
Manual Control Speed	Pan: 0.1° ~ 300° /s; Tilt: 0.1° ~ 200° /s	
Preset Speed	Pan: 400° /s; Tilt: 300° /s	
Presets	300	
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan	
Speed Setup	Human-oriented focal Length/ speed adaptation	
Power up Action	Auto restore to previous PTZ and lens status after power failure	
Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period	
Protocol	DH-SIP	
Intelligence		
Auto Tracking	Support	
IVS (optional)	Tripwire, Intrusion, Abandoned/Missing, Face Detection	
Video		
Compression	H.265/H.264 / MJPEG	
Streaming Capability	3 Streams	
Resolution	1080P(1920*1080)/1.3M(1280*960)/720P(1280*720)/D1(704*576/704*480)/CIF(352*288/352*240)	
Frame Rate	Main stream	1080P/720P(1 ~ 50/60fps), 1.3M(1 ~ 25/30fps)
	Sub stream1	D1/CIF(1 ~ 25/30fps)
	Sub stream2	1080P/1.3M/720P/D1/ CIF (1 ~ 25/30fps)
Bit Rate Control	CBR/VBR	
Bit Rate	H.265/H.264: 448K ~ 8192Kbps, MJPEG: 5120K ~ 10240Kbps	
Day/Night	Auto(ICR) / Color / B/W	
Backlight Compensation	BLC / HLC / WDR (120dB)	
White Balance	Auto, ATW, Indoor, Outdoor, Manual	
Gain Control	Auto / Manual	
Noise Reduction	Ultra DNR (2D/3D)	
Motion Detection	Support	
Region of Interest	Support	
Electronic Image Stabilization (EIS)	Support	
Defog	Support	
Digital Zoom	16x	
Privacy Masking	Up to 24 areas	
Audio		
Compression	G.711a/G.711Mu/AAC/G.722 / G.726/G.729/MPEG2-L2	
Network		
Ethernet	RJ-45 (10/100Base-T)	
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	
Interoperability	ONVIF, PSIA, CGI	
Streaming Method	Unicast / Multicast	
Max. User Access	20 users	
Interface		
Audio Interface	1/1	
Alarm	2/1	
Electrical		
Power Supply	AC24V/3A(+10%), PoE+(802.3at)	
Power Consumption	13W, 23W (IR on)	
Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 90% RH	
Ingress Protection	IP66	
Vandal Resistance	N/A	
Casing	Metal	
Dimensions	Φ186.0(mm) x 309(mm)	
Net Weight	3.5kg(7.72lb)	
Gross Weight	6.8kg(14.99lb)	