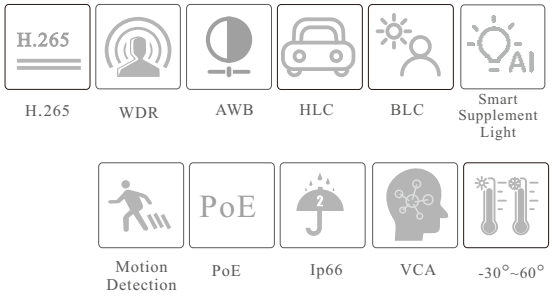
AL-428

4MP Dual-illumination Turret Network Camera



- H.265S/ H.265+/H.265/H.264S/H.264 +/H.264 coding
- Max. resolution: 2688 × 1520
- 30~ 40m white light view distance; 30~40 IR view distance
- Support smart supplement light
- ICR auto switch, true day / night vision
- 3D DNR, WDR, HLC, BLC, Smart IR and ROI coding
- Support electronic image stabilization
- Built-in micro SD card slot; up to 512G
- DC12V/PoE power supply
- IP 66 ingress protection
- Support three streams
- Support P2P function
- Support SMD
- Support remote monitoring by smart phones & tablet PCs with iOS and Android OS
- Intelligent analytics
- Blue and red light warning (flashing alternately)
- Support user-defined warning voice import
- Dual system backup



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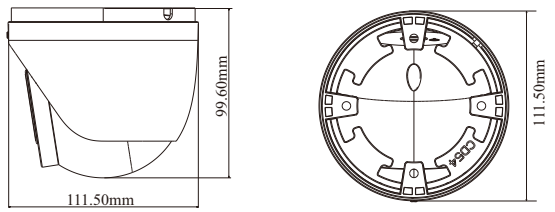
4MP Dual-illumination Turret Network Camera

SPECIFICATIONS

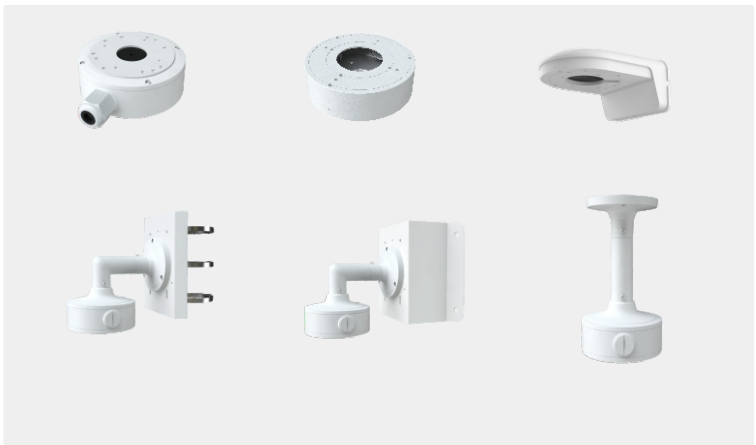
Model / Specifications	AL-428			
Camera				
Image Sensor	1 / 2.9 "CMOS			
Max. Resolution	2688 × 1520			
Electronic Shutter	1 / 3s ~ 1 / 100000 s			
Iris Type		Fixed Iris		
Min. Illumination	0.008 lux @F1.6, AGC ON; 0 lux with illumination on			
S/N Ratio	⩾50dB			
Lens		2.8 mm@F1.6, H.FoV: 101°; V.FoV:55°; D.FoV:120°; 3.6 mm@F1.6, H.FoV:85°; V.FoV: 44°; D.FoV:102°		
Focus		Fixed		
Lens Mount		M12		
Wide Dynamic Range	120dB			
BLC	Yes			
HLC	Yes			
Defog	Yes			
Digital NR	3D DNR			
EIS	Yes			
Angle Adjustment	Pan: 0°~360°; Tilt:0°~75°; Rotation: 0°~360°			
Image				
Video Compression	Main stream: H.265S/ H.265+/ H.265/ H.264S / H.264+ / H.264 Sub stream: H.265+/ H.265 / H.264+ / H.264/ MJPEG Third stream: H.265+/ H.265 / H.264+ / H.264/ MJPEG			
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile			
Resolution	4MP (2688×1520),2K (2560×1440), 1080P (1920×1080), 720P (1280×720), D1, VGA (640 ×480), 640 ×360, CIF, 480×240			
Main Stream	4MP/2K/1080P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)			
Sub Stream	1080P (60Hz : 1 ~ 15fps; 50Hz : 1 ~ 15fps)/ 720P/D1/VGA/640 ×360/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)			
Third Stream	720P/D1/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)			
Bit Rate	32 Kbps ~ 8 Mbps			
Bit Rate Type	VBR / CBR			
Audio Compression	G711A / U			
Image Settings	ROI, Saturation, Brightness, Hue, Contrast,Wide Dynamic, Sharpness, Image Flip, Image Mirror, NR, etc. adjustable through client software or web browser			
ROI	8 ROI, each ROI to be configured separately			
Interfaces				
Network	RJ 45 10/100M self-adaptive Ethernet port			
Video Output	No			
Audio	1CH audio input; 1CH audio output; 1CH built-in microphone; 1CH built-in speaker			
Storage	Built-in micro SD card slot; up to 512G			
Reset	Yes			
Alarm	1CH alarm input; 1CH alarm output			
Intelligent Analytics				
Smart Event	Line crossing/ region intrusion/entrance/exiting (human/vehicle classification), loitering detection, illegal parking detection, abandoned/missing object detection			
Statistics	Target counting by line/area, heat map			
Exception Detection	Scene change, video blur and abnormal color detection, audio exception			
Face Detection	Face detection and face capture			
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature			
DORI Distance				
Lens	Detect	Observe	Recognize	Identify
2.8mm	58m(190ft)	23m(75ft)	12m(39ft)	6m(19ft)
Functions				
Remote Monitoring	Web Client/SHIELD NVR/NVMS/mobile APP			
Web Browser	IE11(plug-in required)/Chrome 92.0+/Edge 92.0+/Firefox 91.0+/Safari 13.1+			

Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission	
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, FTP, PPPoE, DDNS, SMTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, P2P, QoS	
Interface Protocol	ONVIF	
Storage	Network remote storage; micro SD card storage	
Smart Alarm	Motion detection, SMD, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection, light alarm, audio alarm	
General Function	Watermark, video mask, heartbeat, image distortion correction, smart IR, smart supplement light, corridor pattern, ANR	
Security	Firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP	
PoE	Yes , IEEE802.3af	
Supplement Light Range	IR range: 30 ~ 40 m; white light range:30 ~ 40 m	
Ingress Protection	IP 66	
Others		
Power Supply	DC12V/PoE	
Power Consumption	<9W	
Storage Conditions	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)	
Operating Conditions	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)	
Dimensions (mm)	Ø111.5 × 99.6	
Weight (net)		Approx. 0.610KG
Installation	Ceiling mounting; Wall mounting	
Certificate	CE, FCC	
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)	

DIMENSIONS



AVAILABLE ACCESSORIES



AVAILABLE MODEL

Available Model	AL-428	Fixed lens

*All pictures and specifications are for reference only and are subject to change without prior notice.