

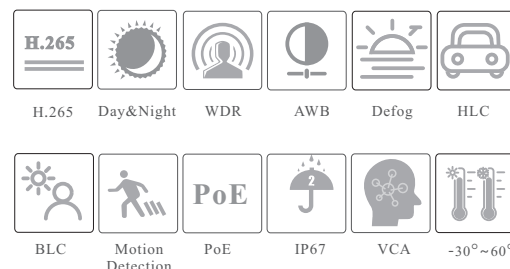
CAMERA

AID-428

4MP IR Water-Proof Turret Network Camera



- Smart H.265/H.265+/H.265/Smart H.264/H.264+/H.264/MJPEG coding
- Max. resolution: 2592 × 1520
- ICR auto switch, true day / night vision
- 20 ~ 30m IR night view distance
- 3D DNR, true WDR, HLC, BLC, Defog, NIR, Smart IR and ROI coding
- Support image distortion correction
- Built-in micro SD card slot, up to 256GB
- DC12V/PoE power supply
- IP 67 ingress protection
- Support three streams
- Support remote monitoring by smart phones & tablet PCs with iOS and Android OS
- Face detection, face recognition and intelligent analytics



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for more information visit www.shieldcctv.com

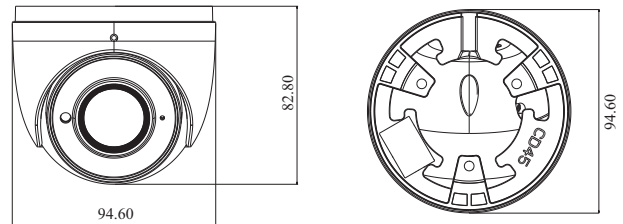
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SPECIFICATIONS

Model	AID-428			
Specifications				
Camera				
Image Sensor	1 / 3 "CMOS			
Image Size	2592 × 1520			
Electronic Shutter	1 / 3s ~ 1 / 10000 s			
Iris Type	Fixed Iris			
Min. Illumination	0.005 lux@F1.6,AGC ON;0 lux with IR			
Lens	2.8 mm@F1.6, Horizontal FoV: 96°; vertical FoV: 55°; diagonal FoV:115° 3.6 mm@F1.6, Horizontal FoV:78.8°; vertical FoV: 42.3°; diagonal FoV: 100.2°			
Focus	Fixed			
Lens Mount	M12			
Day & Night	ICR			
Wide Dynamic Range	120dB			
BLC	Yes			
HLC	Yes			
Defog	Yes			
Digital NR	3D DNR			
Angle Adjustment	Pan: 0°~360°; Tilt:0°~75°; Rotation: 0°~360°			
Image				
Video Compression	Main stream: Smart H.265 / H.265+ / H.265 / Smart H.264 / 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 (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240			
Main Stream	4MP/2K/3MP/1080P / 720P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps) HFR mode: 1080P / 720P(60Hz : 1 ~ 60fps; 50Hz: 1~50fps)			
Sub Stream	720P/D1/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)			
Third Stream	D1/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)			
Bit Rate	64 Kbps ~ 8 Mbps			
Bit Rate Type	VBR / CBR			
Audio Compression	G711A / U			
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser			
ROI	Each ROI to be configured separately			
Intelligent Analytics (Smart Events)				
Perimeter Protection	Line crossing, region entrance/exiting/intrusion (human/motor vehicle/ non-motor vehicle classification)			
Statistics	Target counting by line/area, heat map			
Exception Detection	Scene change, video blur and video cast detection			
Face Detection	Face detection and face capture			
Other Events	Abandoned/missing object detection			
DORI Distance				
Lens	Detect	Observe	Recognize	Identify
2.8mm	57.17m(187.56ft)	22.87m(75.03ft)	11.43m(37.5ft)	5.72m(18.76ft)
3.6mm	69.92m(229.39ft)	27.97m(91.76ft)	13.98m(45.86ft)	6.99m(22.93ft)
Interfaces				
Network	RJ45			
Video Output	No			
Audio	1CH audio input; 1 CH built-in MIC			
Storage	Built-in micro SD card slot; up to 256GB			
Reset	Yes			
Alarm	No			
Functions				
Remote Monitoring	Web Browser/Shield CMS/NVR/mobile APP			
Web Browser	IE(plugin-in required)/Google Chrome/Edge/Firefox/Safari			
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, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPs, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SD card error, SD card full
General Function	Watermark, IP address filtering, video mask, heartbeat, illegal login lock, image distortion correction, corridor pattern
PoE	Yes, IEEE802.3af
IR Distance	20 ~ 30 m
Ingress Protection	IP67
Others	
Power Supply	DC12V/PoE
Power Consumption	< 7.5W
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)	Φ 94.6 × 82.8
Weight (net)	Approx. 0.46KG
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	AID-428
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