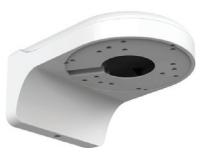**M TECHNOLOGY**

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FEATURES

- 8MP, 4K CMOS image sensor, low illuminance, high image definition
- Realtime 2688 × 1520@30 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 50 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes

- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, audio abnormality detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: In, out; Audio: In, out; Supports max. 256 G Micro SD card
- 12V DC/POE power supply
- IP67, IK10 protection
- Ai

Accessories:
FB200
wall mount bracket

Accessories:
DT-FA136
junction box

Accessories:
DT-MFA152
pole mount

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TECHNICAL SPECIFICATIONS

Camera	Image Sensor	1/2.7"Megapixel progressive CMOS
	Max. Resolution	23840 (H) ×2160 (V)
	ROM	128 MB
	RAM	512 MB
	Scanning System	Progressive
	Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
	Min. Illumination	0.005 Lux@F1.6 (Color, 30IRE) 0.0005 Lux@F1.6 (B/W, 30IRE) 0 Lux (Illuminator on)
	S/N Ratio	> 56 dB
	Illumination Distance	50 m (164.0 ft)
	Illuminator On/Off Control	Auto / Manual
	Illuminator Number	3 (IR LED)
	Pan/Tilt/Rotation Range	Pan: 0°–355°; Tilt: 0°–65°; Rotation: 0°–355°

Lens	Lens Type	Fixed-focal	
	Mount Type	M12	
	Focal Length	2.8 mm	
	Max Aperture	F1.6	
	Field of View	Horizontal:103°; vertical: 55°; diagonal: 122°	
	Iris Type	Fixed	
	Close Focus Distance	0.9 m (3.0 ft)	
	DORI Distance	Lens	2.8mm
		Detect	56.0 m (183.7 ft)
		Observe	22.4 m (73.5 ft)
		Recognize	11.2 m (36.8 ft)
		Identify	5.6 m (18.4 ft)

Professional, Intelligent	Perimeter Protection	Tripwire; intrusion (Recognition of human and vehicle)
	Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

Video	Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by sub stream)
	Smart Codec	Smart H.265+/ Smart H.264+
	Video Frame Rate	Main stream (2688 × 1520@1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps) third stream (1280 × 720@1–25/30 fps)
	Stream Capability	3 streams
	Resolution	3840×2160; 5M (2688×1520); 1080p (1920×1080); 1.3M (1280×960); 720p (1280×720); D1 (704×576/704×480); VGA (640×480); CIF (352×288/352×240)
	Bit Rate Control	CBR/VBR
	Video Bit Rate	H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps
	Day/Night	Auto(ICR)/Color/B/W
	BLC	yes
	HLC	yes
	WDR	120 dB

Video	White Balance	Auto/natural/street lamp/outdoor/ manual/regional custom
	Gain Control	Auto/Manual
	Noise Reduction	3D DNR
	Motion Detetion	OFF/ON (4 areas, rectangular)
	Region of Interest (RoI)	Yes (4 areas)
	Smart Illumination	Yes
	Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower.)
	Mirror	Yes
	Privacy Masking	4 areas

Audio	Audio Compression	G.711a; G.711Mu; G726

Alarm Event	No SD card; SD card full; SD card error; less service time of SD card (smart card supports); network disconnection; IP conflict; illegal access; voltage detection; security exception; motion detection;scene changing; intensity change; tripwire; intrusion; SMD

Network	Network	RJ-45 (10/100Base-T)
	SDK and API	Yes
	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP
	Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
	Interoperability	ONVIF(Profile S/Profile G/Profile T); CGI;P2P;Milestone; Genetec
	Scene Self-adaptation (SSA)	Yes
	User/Host	20 (Total bandwidth: 64 M)
	Storage	FTP; SFTP; Micro SD Card (support max. 256 G); NAS
	Browser	IE: IE8, IE9, IE11 Chrome Firefox
	Management SoftwareSoftware	Smart PSS, DSS, DMSS
	Mobile Phone	IOS, Android

Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

Port	Audio Input	1-channel (RCA port)
	Audio Output	1-channel (RCA port)
	Alarm Input	1 channel in: 5mA 3V–5V DC
	Alarm Output	1 channel out: 300mA 12V DC

Power	Power Supply	12V DC/PoE (802.3af)
	Power Consumption	<7.3W

Environment	Operating Conditions	-40°C to +60°C (-40°F to +140°F)/ less than 95%
	Storage Conditions	-40°C to +60°C (-40°F to +140°F)
	Protection Grade	IP67; IK10

Structure	Casing	Metal
	Dimensions	81 mm × Φ109.9 mm (3.2" × Φ4.3")
	Net Weight	378 g (0.8 lb)
	Gross Weight	523 g (1.2 lb)

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