



FEATURES

- 4MP 1/2.9" CMOS image sensor, low luminance, high definition image
- Outputs max. 4MP (2688 x 1520) @25/30fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in multi-core light, max IR distance 60 m, max warm light distance 60 m
- ROI, Smart H.264+/H.265+, AI H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent monitoring: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Smart Motion Detection area can be set in warm light areas that support triggering alarms
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection
- Supports max. 512 GB Micro SD card; built-in Mic
- 12 VDC/PoE power supply
- IP67 protection
- Smart Motion Detection
- Supports AI SSA

Accessories:



DT-MFA122

Junction Box

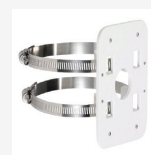
Accessories:



DT-FA135

Junction Box

Accessories:



DT-MFA152

Pole Mount

MT-IPB540Z4LAIS-AI-DL

TECHNICAL SPECIFICATIONS

Camera	
Image Sensor	1/2.9" CMOS
Max. Resolution	2688 (H) x 1520 (V)
ROM	256 MB
RAM	1 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s - 1/100,000 s
Min. Illumination	0.005 lux@F1.4 (Color, 30 IRE); 0.0005 lux@F1.4 (B/W, 30 IRE); 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	Up to 60 m (196.85 ft) (IR); Up to 60 m (196.85 ft) (Warm light)
Illuminator On/Off Control	Auto / Manual
Illuminator Number	4 (Multi-core (IR + warm) light)
Pan/Tilt/Rotation Range	Pan: 0°-360°; Tilt: 0°-90°; Rotation: 0°-360°
Video	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+ / Smart H.264+
AI Coding	AI H.265 / AI H.264
Video Frame Rate	Main stream: 2688 x 1520@(1-25/30 fps); Sub stream: 1920 x 1080@(1-25/30 fps); Third stream: 1920 x 1080@(1-25/30 fps)
Stream Capability	3 streams
Resolution	4M (2688 x 1520/2560 x 1440); 3M (2304 x 1296); 1080p (1920 x 1080); 720p (1280 x 720); D1 (704 x 576/704 x 480); VGA (640 x 480); CIF (352 x 288/352 x 240)
Bit Rate Control	VBR; CBR; ABR
Video Bit Rate	H.264: 3-16384 kbps; H.265: 3-16384 kbps
Day/Night	Auto (ICR) / Color / B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation (SSA)	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Image Stabilization	Electronic Image Stabilization (EIS)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Smart Dual Light	Yes
Defog	Yes
AFSA	Yes
Image Rotation	0°/90°/180°/270° (support 90°/270° with 2688 x 1520 resolution and lower)
Mirror	Yes
Privacy Masking	8 areas
Certifications	
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU

Lens			
Lens Type	Motorized vari-focal		
Mount Type	Φ14		
Focal Length	2.7 mm - 13.5 mm		
Max Aperture	F1.4		
Field of View	H: 104°-29°; V: 54°-16°; D: 125°-34°		
Iris Type	Fixed		
Close Focus Distance	0.1 m (0.33 ft)		
DORI Distance	Lens	W	T
	Detect	64.0 m (209.97 ft)	210.0 m (688.98 ft)
	Observe	25.6 m (83.99 ft)	84.0 m (275.60 ft)
	Recognize	12.8 m (41.99 ft)	42.0 m (137.80 ft)
	Identify	6.4 m (21.00 ft)	21.0 m (68.90 ft)
Intelligent			
IVS (Perimeter Protection)	Tripwire, intrusion (support the classification and accurate detection of vehicle and human)		
Smart Motion Detection	Smart Motion Detection		
AI Target Search	Uses deep learning algorithms and works with back-end devices to accurately match targets, such as people and motor vehicles, and search through live and recorded videos to quickly locate targets		
AI SSA	Adopt deep learning algorithms to adjust the parameters of the image to suit the conditions		
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos		
Audio			
Built-in MIC	Yes, built-in Mic		
Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723		
Alarm Event			
Alarm Event	No SD card; SD card full; SD card error; service life warning (only supported by MTechnology card); network disconnection; IP conflict; illegal access; motion detection; video tampering; intrusion; tripwire; scene changing; audio detection; voltage detection; defocus detection; Smart Motion Detection; safety exception		
Network			
Network Port	RJ-45 (10/100 Base-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; SAMBA; PPPoE; SNMP; P2P		
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 & Profile M); CG		
User/Host	20 (Total bandwidth: 64 M)		
Storage	FTP; SFTP; Micro SD card (support max. 512 GB); NAS		
Browser	IE: IE11; Chrome; Firefox		
Management Software	SmartPSS Lite; DSS; DMSS		
Mobile Phone	iOS; Android		

MT-IPB540Z4LAIS-AI-DL

TECHNICAL SPECIFICATIONS

Power	
Power Supply	12 VDC / PoE (802.3af)
Dual Power Backup	When the power adapter and PoE provide power at the same time, disconnect one of them. The device will continue to work, but will not restart.
Power Consumption	Basic: 3.2 W (12 VDC); 4.8 W (PoE); Max.: 9.3 W (12 VDC); 11.9 W (PoE) (H.265 + WDR + warm light + intelligence on)

Structure	
Casing	Metal
Dimensions	238.5 mm x 90.7 mm x 90.7 mm (9.39" x 3.57" x 3.57") (L x W x H)
Net Weight	835 g (1.84 lb)
Gross Weight	1090 g (2.40 lb)

Environment	
Operating Temperature	-30°C to +60°C (-22°F to +140°F)
Operating Humidity	≤95% (RH), non-condensing
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Storage Humidity	≤95% (RH), non-condensing
Protection	IP67