



## FEATURES

- MP 1/2.8" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 2 MP (1920 × 1080) @30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- 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, fast moving (the three functions support the classification and accurate detection of vehicle and human); abandoned object, missing object, loitering detection, people gathering, parking detection, heat map and face detection.
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict and illegal access.
- Alarm: 2 in, 1 out; audio: 1 in, 1 out; 485; BNC; supports max. 256 G Micro SD card, built in MIC.
- 24 VAC/12 VDC/PoE power supply, easy for installation.
- ePoE.
- Ai-SMD 3.0

# MT-IPST8284M-V2

## TECHNICAL SPECIFICATIONS

Camera	Image Sensor	1/2.8" CMOS
	Image Resolution	1920 (H) × 1080 (V)
	ROM	128 GB
	RAM	512 GB
	S/N Ratio	>56 dB
	Scanning System	progressive
	Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
	Min. Illumination	With F1.6 lens: 0.002 lux@F1.6 (Color, 30 IRE) 0 lux (Illuminator on)
Lens	Lens Mount	C/CS
	Iris Control Type	DC-Iris
Smart Event	IVS	Abandoned object; missing object
	Heat Map	Yes
Professional, intelligent	IVS (Perimeter Protection)	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection
	SMD 3.0	Less false alarm, longer detection distance
	Face Detection	Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 face attributes (gender, age, glasses, expressions, mask, and beard) and 8 expressions (angry, sad, disgusted, scared, surprised, calm, happy, confused); face snapshot set as face, one-inch photo or custom; 3 snapshot strategies (real-time snapshot, optimization snapshot and quality first); face angle filter; optimization time setting
	People Counting	Support the counting of enter number, leave number and pass number, and displaying and outputting yearly/monthly/daily reports. Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm.
	Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
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: 1080p (1–25/30 fps) Sub stream: D1@ (1–25/30 fps) Third stream: 1080p@ (1–25/30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
	Stream Capability	3 streams
	Resolution	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–20480 kbps H.265: 3 kbps–20480 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	Manual; Auto
	Noise Reduction	3D NR
	Motion Detection	OFF/ON (4 areas, rectangular)
	Region of Interest (RoI)	Yes (4 areas)
Audio	Image Stabilization	Electronic Image Stabilization (EIS)
	Defog	Yes
	Image Rotation	0°/90°/180°/270°
	Mirror	Yes
Alarm Event	Built-in MIC	Yes
	Built-in Speaker	PCM; G.711a; G.711Mu; G.726; G.723
	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; defocus detection; external alarm; face detection; SMD; people counting in area; stay detection; people counting; security exception	

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## TECHNICAL SPECIFICATIONS

Network	Network Port	RJ-45 (10/100 Base-T)	Port	RS-485	1 (baud rate range: 1200 bps–115200 bps)	
	SDK and API	Yes		Audio Input	1 channel (3. 5 mm JACK port)	
	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		Audio Output	1 channel (3.5 mm JACK port)	
				Alarm Input	2 channels in: 5 mA 3V–5 VDC	
				Alarm Output	1 channel out: 300 mA 12 VDC	
	Network Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP	Power	Power Supply	12 VDC/24 VAC/PoE (802.3af)/ePoE	
	Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P		Power Consumption	Basic: 4.1 W (12 VDC); 4.3 W (24 VAC); 4.4 W (PoE) Max. (H.265+three streams+intelligence on): 9.2 W (12 VDC); 8.7 W (24 VAC); 9.2 W (PoE)	
	User/Host	20 (Total bandwidth: 80 M)	Environment	Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)	
	Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS		Operating Humidity	≤95%	
	Browser	IE: IE 8 and later Chrome Firefox		Storage Temperature	–40 °C to +60 °C (–40 °F to +140 °F)	
Certifications	Management Software	Smart PSS; DSS; DMSS	Structure	Casing	Metal	
	Mobile Client	iOS; Android		Product Dimensions	135.4 × 74.4 × 65.5 mm (5.3" × 2.9" × 2.6") (L × W × H)	
	CE-LVD: EN60950-1; 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			Net Weight	528 g (1.16 lb)	
				Gross Weight	620 g (1.37 lb)	

