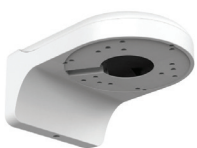




### FEATURES

- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2688 × 1520)@30 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 40 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 abn PUM0004243 ormality 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



Accessories:

**FB200**  
wall mount bracket



Accessories:

**DT-FA137**  
junction box



Accessories:

**DT-MFA152**  
pole mount

# MT-IPD2500AI

## TECHNICAL SPECIFICATIONS

Camera	<b>Image Sensor</b>	1/3"4Megapixel progressive CMOS			
	<b>Max. Resolution</b>	2688 (H) ×1520 (V)			
	<b>ROM</b>	128 MB			
	<b>RAM</b>	512 MB			
	<b>Scanning System</b>	Progressive			
	<b>Electronic Shutter Speed</b>	Auto/Manual 1/3 s~1/100000 s			
	<b>Min. Illumination</b>	0.005 Lux@F1.5 (Color, 30IRE) 0.0005 Lux@F1.5 (B/W, 30IRE) 0 Lux (Illuminator on)			
	<b>S/N Ratio</b>	> 56 dB			
	<b>Illumination Distance</b>	40 m (131.23 ft)			
	<b>Illuminator On/Off Control</b>	Auto / Manual			
	<b>Illuminator Number</b>	2 (IR LED)			
	<b>Pan/Tilt/Rotation Range</b>	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°			
	Lens	<b>Lens Type</b>	Motorized vari-focal		
<b>Mount Type</b>		φ14			
<b>Focal Length</b>		2.7mm~13.5mm			
<b>Max Aperture</b>		F1.5			
<b>Field of View</b>		Horizontal: 104°~27° Vertical: 55°~15° Diagonal: 124°~31°			
<b>Iris Type</b>		Fixed			
<b>Close Focus Distance</b>		0.8 m (2.6 ft)			
<b>DORI Distance</b>			Lens	W	T
		Detect	64m (210.0 ft)	222.0 m (728.3ft)	
		Observe	25.6m (84.0 ft)	88.8m (291.3 ft)	
	Recognize	12.8m (42.0 ft)	44.4 m (145.7 ft)		
	Identify	6.4m (21.0 ft)	22.2 m (72.8 ft)		
Professional, Intelligent	<b>Perimeter Protection</b>	Tripwire; intrusion (Recognition of human and vehicle)			
	<b>Intelligent Search</b>	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos			
Video	<b>Compression</b>	H.265; H.264; H.264H; H.264B; MJPEG (only supported by sub stream)			
	<b>Smart Codec</b>	Smart H.265+ / Smart H.264+			
	<b>Video Frame Rate</b>	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)			
	<b>Stream Capability</b>	3 streams			
	<b>Resolution</b>	4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)			
	<b>Bit Rate Control</b>	CBR/VBR			
	<b>Video Bit Rate</b>	H.264: 3 Kbps~8192 Kbps H.265: 3 Kbps~8192 Kbps			
	<b>Day/Night</b>	Auto(ICR)/Color/B/W			
	<b>BLC</b>	yes			
<b>HLC</b>	yes				
<b>WDR</b>	120 dB				

Video	<b>White Balance</b>	Auto/natural/street lamp/outdoor/manual/regional custom		
	<b>Gain Control</b>	Auto/Manual		
	<b>Noise Reduction</b>	3D DNR		
	<b>Motion Detetion</b>	OFF/ON (4 areas, rectangular)		
	<b>Region of Interest (RoI)</b>	Yes (4 areas)		
	<b>Smart Illumination</b>	Yes		
	<b>Image Rotation</b>	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower.)		
	<b>Mirror</b>	Yes		
	<b>Privacy Masking</b>	4 areas		
	<b>Audio Compression</b>	G.711a; G.711Mu; G726		
<b>Alarm Event</b>	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	<b>Network</b>	RJ-45 (10/100Base-T)		
	<b>SDK and API</b>	Yes		
	<b>Protocol</b>	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		
	<b>Cyber Security</b>	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		
	<b>Interoperability</b>	ONVIF(Profile S/Profile G/Profile T); CGI;P2P;Milestone; Genetec		
	<b>Scene Self-adaptation (SSA)</b>	Yes		
	<b>User/Host</b>	20 (Total bandwidth: 64 M)		
	<b>Storage</b>	FTP; SFTP; Micro SD Card (support max. 256 G); NAS		
	<b>Browser</b>	IE: IE8, IE9, IE11 Chrome Firefox		
	<b>Management Software</b>	Smart PSS, DSS, DMSS		
	<b>Mobile Phone</b>	IOS, Android		
	<b>Certifications</b>	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		
	Power	<b>Power Supply</b>	12V DC/PoE (802.3af)	
		<b>Power Consumption</b>	<8.5W	
Environment	<b>Operating Conditions</b>	-30°C to +60°C (-22°F to +140°F)/ less than 95%		
	<b>Storage Conditions</b>	-40°C to +60°C (-40°F to +140°F)		
	<b>Protection Grade</b>	IP67; IK10		
Structure	<b>Casing</b>	Metal		
	<b>Dimensions</b>	Φ122 mm × 88.9 mm (Φ4.8" × 3.5")		
	<b>Net Weight</b>	492 g (1.1 lb)		
	<b>Gross Weight</b>	663 g (1.5 lb)		

Datasheet rev.A21.4