



KEY FEATURES

- Up to 2880×1620@30fps
- Optical zoom: 23×, digital zoom 16×
- Smart IR, IR Range: 150m
- S+265/H.265/H.264/M-JPEG
- Intelligent monitoring
- Support Human/Vehicle Classification
- Plugin Free
- IP66



5MP 23× Starlight IR POE AI PTZ Camera AFV-SD523XAP

SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color:0.001Lux@(F1.6, AGC ON),B/W:0Lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	IR Cut Filter with Auto Switch
Optical Zoom	23X
Digital Zoom	16X

Lens	
Focal Length	5mm~115mm
Zoom Speed	<5s
Field of View	Horizontal field of view: 58° (w)~3.0° (t) Vertical field of view: 39.7° (w)~2.2° (t) Diagonal field of view: 63.1°(w)~3.7° (t)
Aperture Range	F1.6 ~ F3.6
Focus Control	Auto/Manual
Iris Control	Auto
Close Focus Distance	1m-3m



Pan & Tilt	
Pan Range	360°
Pan Speed	Pan Manual Speed: 0.1°~80°/s, Pan Preset Speed: 80°/s
Tilt Range	-16°~90° (Default -3°~90°)
Tilt Speed	Tilt Manual Speed: 0.1°~80°/s, Tilt Preset Speed: 80°/s
3D Position	Yes
Preset	500
Preset Accuracy	±0.4°
Cruise	16, up to 32 presets per cruise
Scan	8
Pattern	8, each with 600s memory or 1000 orders
Scheduled Task	Preset,Cruise,Scan,Pattern, Alarm output
Park Action	Yes
Power-off Memory	Yes
Preset Freezing	N/A

Illuminator	
IR LEDs	7
IR Distance	Up to 150m
IR Irradiation Angle	Adjustable by Zoom
White LEDs	N/A
Laser	N/A
Laser Distance	N/A

Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8kHz/32kHz/48kHz

General	
Protection	IP66,TVS 6000V lightning protection, surge protection and voltage transient protection
Web Client Language	17 languages Simple Chinese/ Traditional Chinese/ English/ Spanish/ Korean/ Italian/ Turkish/ Russian/ Thai/ French/ Polish/ Dutch/Hebraism/ Arabic/ Vietnamese/ German/ Ukrainian
Operating Conditions	-30°C~65°C (IR OFF), -30°C~40°C (IR ON), 0-95%RH
Power Supply	DC12V,POE(IEEE802.3 at)
Power Consumption	8.1W(IR OFF),19.4W(IR ON)
Heater	N/A
Material	ADC 12, PC+ABS
Boundary Dimensions	Φ161x276mm
Package Dimensions	Φ250x445mm
GrossWeight	3.9kg
NetWeight	2.2kg



Network	
Protocols	HTTP/HTTPS/TCP/UDP/UPnP/SNMP/DHCP/DNS/DDNS/Easy/DDNS/NTP/SMTP/SSL/802.1X/QoS/IPv4/IPv6/PPPOE/SSH/Unicast/Multicast/RTMP/RTP/RTSP/NFS/SMB/CIFS/FTP
System Compatibility	ONVIF (PROFILE S/T/G/M), SDK,CGI,P2P
ANR	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Remote Connection	≤7
User/Host	Up to 32 users. 4 user levels
Web	IE,Firefox,Edge,Safari, Chrome

Interface	
Communication interface	1 RJ45 10M/100M self adaptive Ethernet port
Audio I/O	1/1
Alarm I/O	1/1
Built-in Speaker	N/A
Reset Button	Yes
On-board storage	Built-in Micro SD card slot, up to 512 GB
RS-485	N/A
BNC	N/A
Wiper	N/A
Electronic Compass	N/A
GPS/BDS	N/A

Feature	
Alarm Trigger	Event Input, Event Output, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd,People Counting, On Duty Detection, Safety Helmet Detection,Video Abnormal, Audio Abnormal, Face Capture,Human/ Vehicle Classification
Early Warning(EW)	N/A
Auto-Tracking	N/A

Face Detection and Analytics	
Operating Mode	Face capture, Intelligent monitoring optional, default Intelligent monitoring
Face Detection Performance	Detects up to 32 faces at the same scene
Face Exposure Brightness	Default 35, 1~100 brightness optional
Min. Face Pixel	Default 80, 26~2880 optional



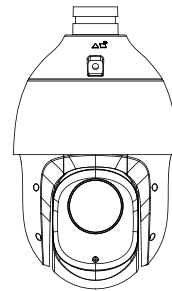
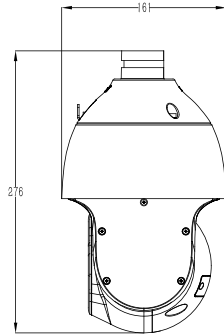
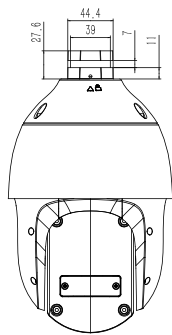
Image			
Max. Resolution	5MP (2880x1620)	Picture Overlay	Yes
Main Stream	PAL: 25fps (2880x1620, 2688x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720)	Privacy Mask	Yes
	NTSC: 30fps (2880x1620, 2688x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720)	Demist	Yes
Sub Stream	PAL: 25fps (704x576, 704x288, 640x360, 352x288)	Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
	NTSC: 30fps (704x480, 704x240, 640x360, 352x240)	Flip	Yes
Third Stream	PAL: 25fps (640x480, 704x576, 704x288, 352x288)	OSD	16x16, 24x24, 32x32, 48x48, 64x64, adaptable size, Letters such as Week, Date, Time, Total 5 Regions
	NTSC: 30fps (640x480, 704x480, 704x240, 352x240)		
BLC	Yes		
HLC	Yes		
WDR	120dB		
Image Stabilization	N/A		
Defog	Digital		
White Balance	Auto/Semi-auto/Manual/Sunny/Natural light/Warm light/Sodium lamp/Incandescent lamp/Locked white balance		
AGC	Yes		
Noise Reduction	2D/3D		
ROI	7 Dynamics Areas for Both Main and Sub Stream		

* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.



AVAILABLE MODEL AFV-SD523XAP

DIMENSIONS (Unit: mm)



INCLUDED



**TC-P52BM Spec: 4
Wall Mount**

ACCESSORIES



**DF21Y
Pendant Mount**



**A36
Pole Mount**



**A35
Corner Mount**



**811
Junction Box**

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