



KEY FEATURES

- Up to 1920X1080@30fps
- Optical zoom: 25×, 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



2MP 25 × Starlight IR PTZ Camera AFV-SD225XAP

SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color:0.002Lux@(F1.5, AGC ON),B/W:0Lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	IR Cut Filter with Auto Switch
Optical Zoom	25X
Digital Zoom	16X

Lens	
Focal Length	4.8mm~120mm
Zoom Speed	<4s
Field of View	Horizontal field of view: 58.5° (w)~2.8° (t) Vertical field of view: 33.2° (w)~1.5° (t) Diagonal field of view: 65.2°(w)~3.3° (t)
Aperture Range	F1.5 ~ F3.8
Focus Control	Auto/Manual
Iris Control	Auto
Close Focus Distance	1m-1.5m



Pan & Tilt	
Pan Range	360°
Pan Speed	Pan Manual Speed: 0.1°~200°/s, Pan Preset Speed: 240°/s
Tilt Range	-16°~90° (Default -3°~90°)
Tilt Speed	Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 180°/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	6
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	8k~48Kbps

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	9W(IR OFF), 22W(MAX)
Heater	N/A
Material	ADC 12
Boundary Dimensions	Φ161x276mm
Package Dimensions	Φ250x445mm
GrossWeight	5.1kg
NetWeight	3kg



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, People Counting, Video Abnormal, Audio Abnormal,Human/Vehicle Classification
Early Warning(EW)	N/A
Auto-Tracking	N/A

Face Detection and Analytics	
Operating Mode	N/A
Face Detection Performance	N/A
Face Exposure Brightness	N/A
Min. Face Pixel	N/A



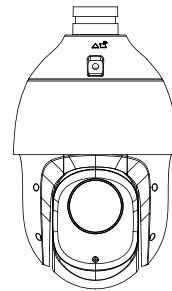
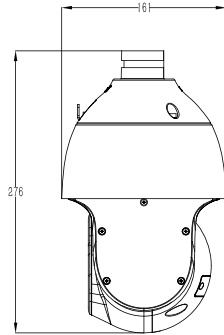
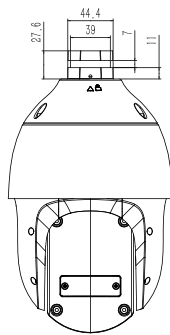
Image			
Max. Resolution	2MP (1920x1080)	Picture Overlay	Yes
Main Stream	PAL: 25fps (1920x1080, 1280x720, 704x576, 640x480)	Privacy Mask	Yes
	NTSC: 30fps (1920x1080, 1280x720, 704x480, 640x480)	Demist	Yes
Sub Stream	PAL: 25fps (704x576, 704x288, 640x360, 352x288)	Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
	NTSC: 30fps (704x480, 704x240, 640x360, 352x240)	Flip	Yes
Third Stream	PAL: 25fps (352x288)	OSD	16x16, 24x24, 32x32, 48x48, 64x64, adaptable size, Letters such as Week, Date, Time, Total 5 Regions
	NTSC: 30fps (352x240)		
BLC	Yes		
HLC	Yes		
WDR	True WDR		
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-SD225XAP

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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