ComX Computers
Product Specification Sheet

DS-2SE4C425MWG-E_14F0

Hikvision TandemVu 4 inch 4MP 25x ColorVU & IR Network Speed Dome IP Camera

Product Overview

Hikvision TandemVu 4 inch 4MP 25x ColorVU & IR Network Speed Dome IP Camera, Captures a large area and great details at the same time, 25x Optical Zoom and 16x Digital Zoom, WDR, HLC, BLC, 3D DNR, Defog, Regional exposure, Regional focus, Up to 100 m IR distance & 30 m White light, H.265 / H.264 / MJPEG Video Compression, 20 simultaneous live view, RJ45 Self-Adaptive 10M/100M Ethernet Port, Built-In Memory card slot, 1 alarm Input, 1 alarm Output, 1x audio Input, 1x audio Output



Specifications

Overview:

TandemVu 4-inch 4 MP 25X Colorful & IR Network Speed Dome

- Captures a large area and great details at the same time
- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology and ColorVu technology
- Secures an expansive area with 25x optical zoom and 16x digital zoom
- Supports WDR, HLC, BLC, 3D DNR, defog, regional exposure, regional focus
- Expansive night view with up to 100 m IR distance & 30 m white light
- Supports 12V DC & PoE+
- Focuses on human and vehicle targets classification based on deep learning

Specifications:

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Specifications	
Product Code	DS-2SE4C425MWG-E_14F0
Camera	
Image Sensor	[Bullet channel]: 1/3" Progressive Scan CMOS, [PTZ channel]: 1/2.8" progressive scan CMOS

Min. Illumination	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
	[PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1 s to 1 / 30,000 s
Slow Shutter	yes
Focus	semi-auto, manual, auto
Day & Night	ICR
Zoom	[PTZ channel] 25 x optical, 16 x digital
Day/Night Switch	day, night, auto, scheduled-switch
White Balance	MWB, indoor, outdoor, fluorescent lamp, sodium lamp, ATW, auto, Locked WB
Max. Resolution	[Bullet channel] 2560 x 1440, [PTZ channel] 2560 x 1440
Lens	
Focal Length	[Bullet channel]: 2.8 mm, [PTZ channel]: 4.8 to 120 mm, 25 x optical
Zoom Speed	[PTZ channel]: approx. 3.6 s
FOV	[Bullet channel]: Horizontal field of view: 96.1 degrees, Vertical field of view: 52.1 degrees, Diagonal field of view: 113.3 degrees
	[PTZ channel]:
	Horizontal field of view: 55 degrees to 2.4 degrees (wide-tele)
	Vertical field of view: 33 degrees to 1.4 degrees (wide-tele)
	Diagonal field of view: 61.5 degrees to 2.8 degrees (wide-tele)
Aperture	[Bullet channel]: F1.0, [PTZ channel]: F1.6
Illuminator	
Supplement Light Type	[PTZ channel]: IR, [Bullet channel]: White Light
Smart Supplement Light	Yes
Supplement Light Range	[PTZ channel]: up to 100 m, [Bullet channel]: up to 30 m
PTZ	
Movement Range (Pan)	360 degrees
Movement Range (Tilt)	-15 degrees to 90 degrees (auto flip)
Pan Speed	pan speed: configurable from 0.1 degrees to 80 degrees/s, preset speed: 80 degrees/s
Tilt Speed	tilt speed: configurable from 0.1 degrees to 80 degrees/s, preset speed 80 degrees/s
Proportional Zoom	yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Power-off Memory	yes
Park Action	preset, patrol scan, pattern scan, auto scan, tilt scan, random scan, frame scan, panorama scan
3D Positioning	yes

PTZ Status Display	yes
Preset Freezing	yes
Scheduled Task	preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
Exception Detection	IP address conflict, HDD full, illegal login, HDD error, network disconnected, Abnormal Reboot
Video	
Region of Interest (ROI)	8 fixed regions for each stream
Stream Type	main stream, sub-stream, third stream
Main Stream	[Bullet channel]:
	50 Hz: 25 fps (2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720)
	60 Hz: 30 fps (2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720)
	[PTZ channel]:
	50 Hz: 25 fps (2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720)
	60 Hz: 30 fps (2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720)
Sub-Stream	[Bullet channel]:
	50 Hz: 25 fps (704 x 576, 640 x 480, 352 x 288)
	60 Hz: 30 fps (704 x 480, 640 x 480, 352 x 240)
	[PTZ channel]:
	50 Hz: 25 fps (704 x 576, 640 x 480, 352 x 288)
	60 Hz: 30 fps (704 x 480, 640 x 480, 352 x 240)
Third Stream	[Bullet channel]:
	50 Hz: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576, 640 x 480, 352 x 288)
	60 Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 240)
	[PTZ channel]:
	50 Hz: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576, 640 x 480, 352 x 288)
	60 Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 240)
Video Compression	H.265, H.264, MJPEG
Video Bit Rate	32 kbps to 16384 kbps
H.264 Type	baseline profile, main profile, high profile
H.265 Type	main profile
H.264+	yes
H.265+	yes
SVC	yes
Audio	
Audio Compression	G.711, G.722.1, G.726, MP2L2, PCM, AAC-LC
Audio Bit Rate	32 to 192 Kbps (MP2L2), 16 to 64Kbps (AAC-LC)
Audio Sampling Rate	8 kHz,16 kHz,32 kHz,48 kHz

Environment Noise Filtering	yes
Smart Features	
Smart Record	ANR, Dual-VCA
Network	
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Network Storage	NAS (NFS, SMB/ CIFS), ANR
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, WebSocket, WebSockets
Simultaneous Live View	20
User/Host	32
Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
Client	iVMS-4200, Hik-Connect
Web Browser	IE 10+, Chrome 57+, Firefox 52+, Safari 12+
Image	
Image Settings	sharpness, saturation, brightness, contrast
Wide Dynamic Range (WDR)	120 dB
SNR	>= 52 dB
Defog	Digital defog
Image Stabilization	EIS
Image Enhancement	BLC, HLC, 3D DNR
Regional Focus	Yes
Regional Exposure	Yes
Image Parameters Switch	Yes
Privacy Mask	[Bullet channel] 8 programmable polygon privacy masks, [PTZ channel] 24 programmable polygon privacy masks, mask color or mosaic configurable
Interface	
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port
On-board Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Alarm Input	1 alarm input
Alarm Output	1 alarm output
Audio Input	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm+/-10%
Audio Output	1 audio output, line level, impedance: 600 ohm
Event	
Basic Event	[PTZ channel] motion detection, video tampering alarm, [PTZ channel & bullet channel] alarm input and output, exception

Smart Event	[PTZ channel & bullet channel] audio exception detection, [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection, [Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection
Linkage	[Bullet channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, and trigger recording, [PTZ channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)
Deep Learning Function	
Face Capture	[Bullet channel] no, [PTZ channel] yes
General	
General Function	mirror, password protection, watermark, IP address filter
Power	12VDC, PoE+
Power Consumption and Current	Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light
Operating Conditions	-30 degreesC to 65 degreesC (-22 degreesF to 149 degreesF), humidity lower than 90%RH
Reset	yes
Demist	Demist by heating the glass
Material	ADC12
Dimensions	Ø 166 mm x 375 mm (Ø 6.5" x 14.7")
Weight	Approx. 2.4 kg (13.2 lb.)
Approval	
Protection	IP66 Standard, 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/DS-2SE4C425MWG-E_14F0-Hikvision-TandemVu-4-inch-4MP-25x-ColorVU-IR-Network-Speed-p-282575.php

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