DS-2DE3A400BW-DE/W

Camera DS-2DE3A400BW-DE/W 3-inch 4MP ColorVu Wi-Fi Mini PT Dome Network Camera

- Accurate human and vehicle target classification and alarm, and face capture based on deep learning hardware and algorithm
- Face capture: automatic selection of the best shot; up to 5 faces detected and captured at the same time
- Linked audible and visual alarm. Built-in microphone and speaker
- Up to 2560 × 1440 @ 30 fps
- Min. illumination: Color: 0.0005 Lux @ (F1.0, AGC ON); 0 Lux with white light
- 24/7 colorful imaging with low power consumption. Up to 30 m white light distance
- 120dB WDR, 3D DNR, HLC
- IP66; PoE

Type	IP
Megapixel	4 MP
Objective	Motionless
Focus	4 mm
Lighting	LED
Lighting distance	30 m
Microphone	Mic
Protection	IP66
Material	Metal

Detailed

Camera	
Image Sensor	1/1.8" progressive scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON); 0 Lux with white light
Shutter Speed	1/1 to 1/30,000 s
Day & Night	24/7 colorful imaging
Zoom	16x digital
Lens	
Focal Length	4 mm
FOV	Horizontal field of view: 88.7°

	Vertical field of view: 46.5°
	Diagonal field of view: 105.0°
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	White Light Distance: up to 30 m
PTZ	
Movement Range (Pan)	350°
Movement Range (Tilt)	0° to 90°
Pan Speed	Pan speed: configurable from 0.1° to 60°/s; preset speed: 60°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s
Proportional Pan	Yes
Presets	300
Preset Freezing	Yes
Park Action	Preset, patrol scan
3D Positioning	Yes
Scheduled Task	Preset, patrol scan, dome reboot, dome adjust, aux output
Power-Off Memory	Yes
Video	
Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288); 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region Of Interest (ROI)	8 fixed regions for each stream
Audio	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, AAC, PCM
Environment Noise Filtering	Yes
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Simultaneous Live View	Up to 20 channels
API	ISAPI, Hikvision SDK, Hik-Connect, Open Network Video Interface (Profile S, Profile G, Profile T), ISUP
User/Host	Up to 32 users. 3 user levels, administrator, operator and user

Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/ CIFS)
Client	iVMS-4200,Hik-Connect,*Wi-Fi connection with Hik-Connect directly is not possible
Web Browser	IE 10+, Chrome 57+, Firefox 52+, Safari 12+
Wireless (Wi-Fi)	
Encryption Mode	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Wi-Fi Protocols	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz -2.4835 GHz
Channel Bandwidth	20/40 MHz
Modulation	802.11b: CCK, DQPSK, DBPSK 802.11g: OFDM/64-QAM, 16-QAM, QPSK, BPSK 802.11n: OFDM/64-QAM, 16-QAM, QPSK, BPSK
Transfer Rate	11b: 11 Mbps, 11g: 54 Mbps, 11n: up to 150 Mbps
Wireless Range	Up to 50 m
Image	
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Day/Night Switch	Day, night, auto, scheduled-switch
Wide Dynamic Range (WDR)	120 dB WDR
SNR	▢ 52 dB
Defog	Digital defog
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	Up to 24 masks (8 masks for each scene)
Regional Exposure	Yes
Interface	
Ethernet Interface	1 RJ45 10 M/100 M Ethernet interface; PoE (802.3at)
On-Board Storage	Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 512 GB
Built-In Speaker	1 built-in speaker
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω
Alarm	1 input, 1 output
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset	Yes
Power Output	12 VDC; < 60 mA
Event	
Basic Event	Video tampering alarm, motion detection, alarm input, alarm output, exception

Smart Event	Line crossing detection, region entrance detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, audio exception detection
Linkage	Preset, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, audible warning, white light flashing
Deep Learning Function	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
Face Capture	Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and outputs the best face picture
General	
Power	12 VDC, 3.33 A & PoE (802.3at), 42.5 to 57 VDC, 0.6 A Max. 16 W (including max. 4 W for white light)
Dimension	179.3 mm × 120 mm × 182 mm (7.06" × 4.72" × 7.71")
Weight	Approx. 1.125 kg (2.48 lb.)
Operating Condition	Humidity: ≤ 90%, temperature: -30℃ to 65℃ (-22°F to 149°F)
General Function	Mirror, password protection, watermark, IP address filter
Demist	Yes
Approval	
Protection	IP66; 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection