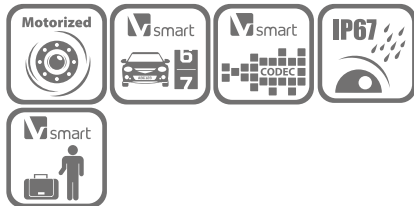


## DS-2CD4A24FWD-IZ(H)(S)

2MP 20X zoom Bullet network camera



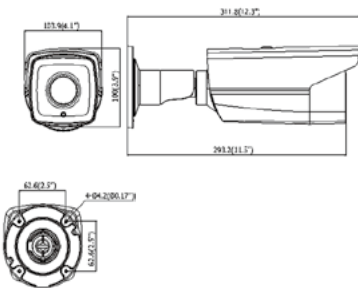
### Key features

- 1/2.8" progressive scan CMOS sensor
- Full HD1080p, up to 60fps
- 4.7-94mm motorized VF lens with Smart Focus
- 120dB WDR
- Full smart feature-set
- Up to 128GB on-board storage
- Up to 120m IR range
- IP67

### Available Models

DS-2CD4A24FWD-IZ, DS-2CD4A24FWD-IZS,  
DS-2CD4A24FWD-IZH, DS-2CD4A24FWD-IZHS

### Dimension



### DS-2CD4A24FWD-IZ(H)(S)

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.005 Lux @ (F1.2, AGC ON), 0 lux with IR 0.007 Lux @ (F1.4, AGC ON), 0 lux with IR
Shutter Speed	1s ~ 1/100,000s
Slow Shutter	Support
Lens	2.8-12mm @ F1.4 angle of view: 113°-33.8°; 8-32mm @ F1.4 angle of view: 31.2°-10.2°
Lens Mount	AF automatic focusing and motorized zoom lens
Auto-iris	DC drive
Day & Night	IR Cut Filter with auto switch
WDR	120dB
Compression Standard	
Video Compression	H.264+/H.264/MJPEG/MPEG4
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps ~ 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	
Max. Resolution	1920 × 1080
Frame Rate	50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720) 60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 × 1080); 60Hz: 30fps (1920 × 1080)
Image Enhancement	EIS/BLC/HLC/3D DNR/ROI/Defog
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Distortion Correction	Support
Regional Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Smart Feature-set	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
License Plate Recognition	
LPR Setting	Recognition area & Country configurable, recognition accuracy: 95% (Limit Speed: 70km/h)
Info. Overlay	Camera No., camera info., capture time, plate info.
Image Setting	Picture quality & size configurable
OSD Setting	Font & Background color configurable
Integration	ONVIF: Capture time & License plate info. accessible GENETEC: Capture time & License plate info. accessible SDK & ISAPI: Capture time, License plate info., License plate & vehicle picture accessible
General	
Protection Level	IP67
IR Distance	50m(2.8-12mm)/100m(8-32mm)
Operating Conditions	-30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C ~ 60 °C
Power Supply	12 V DC ± 10%, PoE (802.3at)
Power Consumption	Max. 12W, -H: 18W Max
Dimensions	100×103.9×311.8mm (3.94" × 4.09" × 12.28")
Weight	2000 g (4.41 lbs)