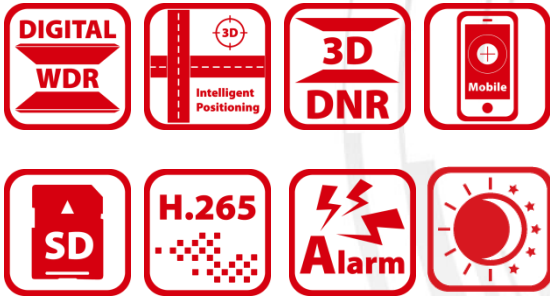


DS-2DE5220W-AE3, DS-2DE5220W-AE (B) 2MP 20× Network Speed Dome



Hikvision DS-2DE5220W-AE(3) Network Speed Domes adopt 1/2.8" progressive scan CMOS chip. With the 20× optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

Key Features

- 1/2.8" Progressive Scan CMOS
- Up to 1920 × 1080 resolution
- 20× Optical Zoom, 16× Digital Zoom
- Digital WDR
- 3D intelligent positioning function
- 24 VAC & PoE (802.3at, class4)
- Support H.265 video compression



Specification

Camera Module	
DS-2DE5220W-AE(3) 2MP 20× Network Speed Dome	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.05 Lux @(F1.6, AGC ON) B/W: 0.01Lux @(F1.6, AGC ON)
White Balance	Auto/Manual/ATW (Auto Tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
AGC	Auto/Manual
Shutter Time	1/1 s to 1/30,000 s
Day & Night	IR Cut Filter
Digital Zoom	16×
Privacy Mask	8 programmable privacy masks
Focus Mode	Auto/Semi-automatic/Manual
3D DNR	Yes
BLC	Yes
Digital WDR	Yes
HLC	Yes
Defog	Yes
Lens	
Focal Length	4.7 mm to 94 mm, 20× Optical
Zoom Speed	Approx. 2.7 s (optical lens, wide-tele)
Field of View	61.4° to 2.9° (wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	F1.6 to F3.5
PTZ	
Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 250°/s, Preset Speed: 300°/s
Movement Range (Tilt)	From -5° to 90°
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 200°/s
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Park Action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
Scheduled Task	Auto Scan/Frame Scan/Random Scan/Patrol/Pattern/Preset/Panorama Scan/Tilt Scan/Dome Reboot/Dome Adjust/Aux Output
Features	
Detection	Intrusion Detection, Line Crossing Detection
ROI encoding	Main stream, sub-stream and third stream respectively support two fixed areas.
Network	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1280 × 960, 1280 × 720)
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (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 H.264 with Baseline/Main/High Profile
Audio compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
System Integration	
Alarm Input	2-ch alarm input
Alarm Output	1-ch alarm output
Alarm Linkage	Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.
Audio Input	1-ch audio input
Audio Output	1-ch audio output
Network Interface	10 Base-T/100Base-TX, RJ45 connector
Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NFS, SMB/ CIFS), ANR
API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK
Client	iVMS-4200, iVMS-4500, iVMS-5200
Web Browser	IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+
General	
Language (Web Browser Access)	32 languages. English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Power	24 VAC and PoE (802.3at, class4) Max.: 18 W
Working Temperature	-AE: -30°C to 65°C (-22°F to 149°F) -AE3: -10°C to 50°C (14°F to 122°F)
Working Humidity	≤ 90%
Protection Level	IP66, IK10 Standard (-AE outdoor camera); 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Dimensions(mm)	Φ 220 mm × 305 mm (Φ 8.66" × 12.01") (Outdoor) Φ 183.4 mm × 243 mm (Φ 7.22" × 9.57") (Indoor) Φ 245 mm × 236 mm (Φ 9.65" × 9.29") (In-ceiling)
Weight	Approx. 3 kg (6.61 lb)

DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	1061.8 m (3483.7 ft)	421.4 m (1382.4 ft)	212.4 m (696.7 ft)	106.2 m (348.4 ft)

Order Model

DS-2DE5220W-AE (B), PoE (802.3at, class4), 24 VAC, Outdoor, IP66, IK10

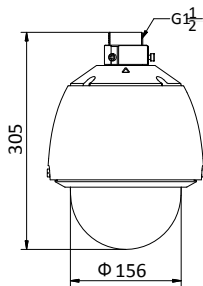
DS-2DE5220W-AE3, PoE (802.3at, class4), 24 VAC, Indoor

Note:

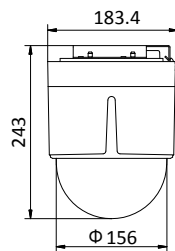
Indoor models support ceiling or in-ceiling mount.

Dimensions

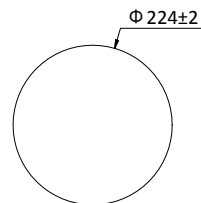
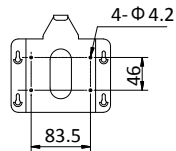
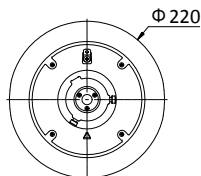
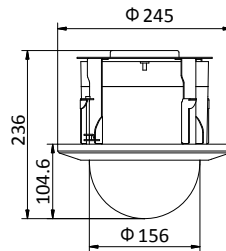
Outdoor



Ceiling



In-ceiling



Unit: mm

Accessory

Optional:



DS-1604ZJ
Wall mount



DS-1602ZJ
Wall mount



DS-1604ZJ-box
Wall mount with junction box



DS-1604ZJ-BOX-CORNER
Wall Mount with
junction box



DS-1604ZJ-pole
Vertical Pole
Mount



DS-1604ZJ-BOX-POLE
Vertical Pole Mount
with junction box



DS-1604ZJ-corner
Corner Mount



DS-1661ZJ
Pendant Mount



DS-1662ZJ
Pendant Mount



DS-1667ZJ
Extendable pole for
Pendant mount



DS-1663ZJ
Ceiling Mount



DS-1681ZJ
Installation Adapter



DS-1619ZJ
Gooseneck Mount



DS-1660ZJ
Parapet wall mount



HKA-A24250-230(EU)
HKKD-12077(USA)
HKA-A24250-230-BS(UK)
PSE-A1525/5060(JP)
Power adapter



LAS60-57CN-RJ45
Hi-PoE midspan

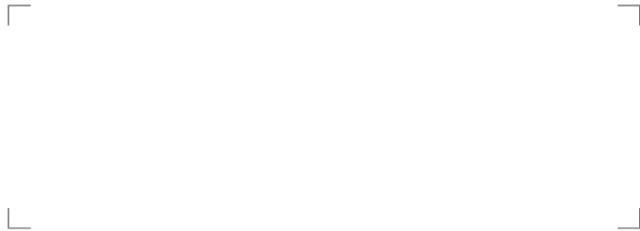


DS-1100KI
Network Keyboard



DS-1005KI
USB Joy-stick

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