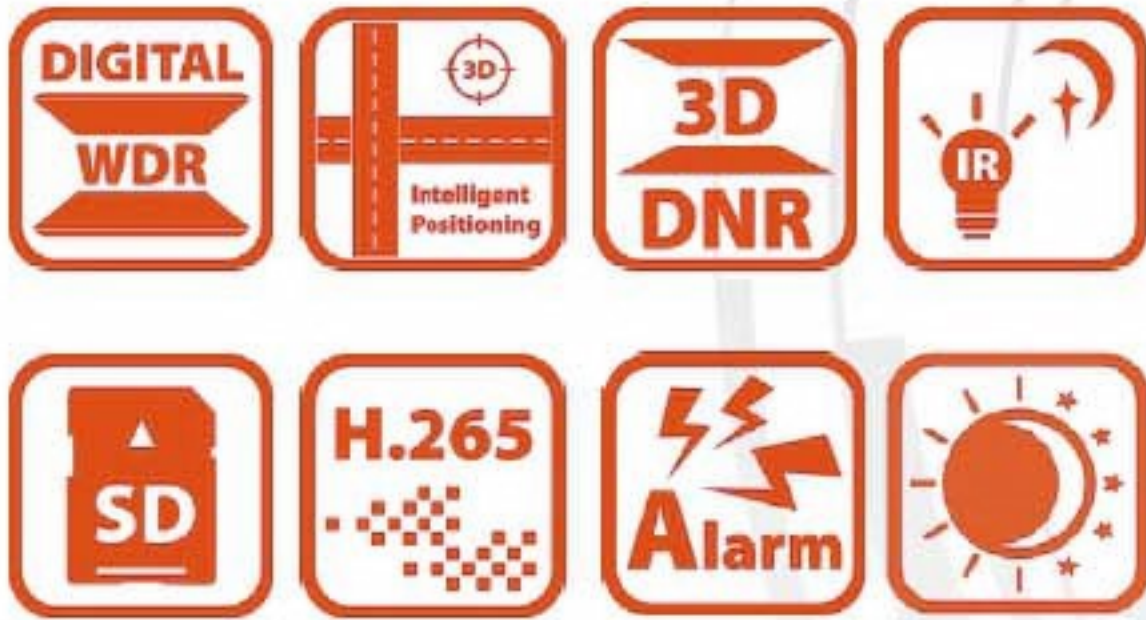


**DS-2DE5220IW-AE**  
**2MP 20× Network IR Speed Dome**



Hikvision DS-2DE5220IW-AE Network IR 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
- Up to 150 m IR distance
- Hi-PoE/24 VAC power supply
- Support H.265 video compression



**Specification**

<b>Camera Module</b>	
<b>DS-2DE5220IW-AE 2MP 20× Network IR Speed Dome</b>	
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) 0 Lux with IR
White Balance	Auto/Manual/ATW (Auto Tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
AGC	Auto/Manual
Shutter Speed	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	Support
BLC	Support
Digital WDR	Support
HLC	Support
Defog	Support
<b>Lens</b>	
Focal Length	4.7 mm to 94 mm, 20× Optical
Zoom Speed	Approx. 3 s (optical lens, wide-tele)
Field of View	58.3° to 3.2° (wide-tele)
Working Distance	10 mm to 1000 mm (wide-tele)
Aperture Range	F1.6 to F3.5
<b>IR</b>	
IR Distance	Up to 150 m
IR Intensity	Automatically adjusted, depending on the zoom ratio
<b>PTZ</b>	
Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 400°/s, Preset Speed: 400°/s
Movement Range (Tilt)	From -15° to 90°
Tilt Speed	Configurable, from 0.1°/s to 200°/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
<b>Features</b>	
Smart Detection	Intrusion Detection, Line Crossing Detection
ROI encoding	Main stream, sub-stream and third stream respectively support two fixed areas.
<b>Network</b>	
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)



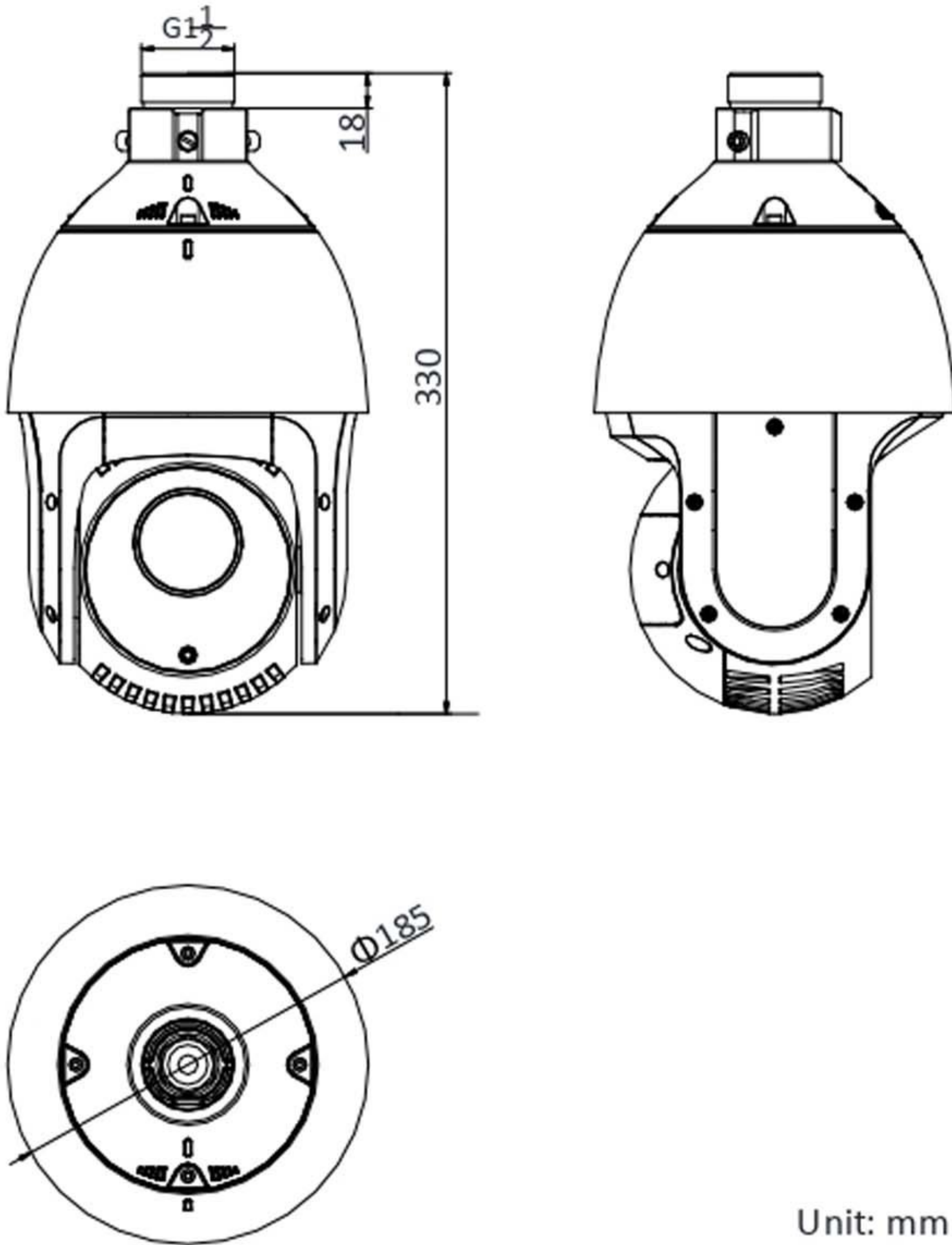
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	Main 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
<b>System Integration</b>	
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
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
CVBS	1.0V[p-p]/75 Ω, NTSC (or PAL) composite, BNC
Network Interface	10 Base-T/100 Base-TX, RJ45 connector
Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NFS, SMB/ CIFS), ANR
API	Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform
Client	iVMS-4200, iVMS-4500, iVMS-5200
Web Browser	IE7+, Chrome18+, Firefox5.0+, Safari5.02+
<b>General</b>	
Power	24 VAC and Hi-PoE Max.: 32 W
Working Temperature	-30°C to 65°C (-22°F to 149°F)
Working Humidity	≤ 90%
Protection Level	IP66 Standard; TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Dimensions(mm)	Φ 185 mm × 330 mm (Φ7.28" × 12.99")
Weight	Approx. 4 kg (8.82 lb)



Order Model

DS-2DE5220IW-AE

Dimensions



Unit: mm

