

DS-2AE4225TG
AE PTZ

- 1/2.8" HD progressive scan CMOS
- High quality imaging with 1920 × 1080 resolution
- 25 × optical zoom and 16 × digital zoom allows for closer viewing of subjects in expansive areas
- Clear imaging against strong back lighting due to 120 dB WDR technology
- 3D intelligent positioning
- Switchable TVI/AHD/CVI/CVBS video output

▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON)
Shutter Speed	PAL: 1/1 s to 1/30,000 s NTSC: 1/1 s to 1/30,000 s
Day & Night	IR cut filter
Zoom	25 × optical, 16 × digital
Lens	
Focal Length	4.8 mm to 120 mm, 25 × optical
FOV	Horizontal FOV: 57.6° to 2.5° (wide to tele) Vertical FOV: 34.4° to 1.4° (wide to tele) Diagonal FOV: 64.5° to 2.9° (wide to tele)
Focus	Auto, semi-auto, manual
Aperture	F1.6 to F3.5
Zoom Speed	Approx. 3.6 s (optical, wide to tele)
PTZ	
Movement Range (Pan)	360° endless
Movement Range (Tilt)	-5° to 90° (auto flip)
Pan Speed	Pan manual speed: 0.1° to 100°/s Pan preset speed: 100°/s
Tilt Speed	Tilt manual speed: 0.1° to 80°/s Tilt preset speed: 80°/s
Proportional Pan	Rotation speed can be adjusted automatically according to zoom multiples
Presets	256
Preset Freezing	Yes
Patrol Scan	10 patrols, up to 32 presets for each patrol
Pattern Scan	5 patterns, record time over 10 minutes for each scan
Park Action	Preset/Patrol/Pattern/Pan Scan/Tilt Scan/Panorama Scan/Day Mode/Night Mode/One-touch Patrol/None
Scheduled Task	Preset/Patrol/Pattern/Pan Scan/Tilt Scan/Panorama Scan/Day Mode/Night Mode/Zero Calibration/None
Power-off Memory	Yes
Video	
Frame Rate	50 Hz: 25 fps @(1920 × 1080) 60 Hz: 30 fps @(1920 × 1080)
Network	
Protocols	UTC protocol (or HIKVISION-C protocol in previous DVR)
Image	
Image Settings	AGC, white balance
Wide Dynamic Range (WDR)	≥ 120 dB
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	8 programmable privacy masks

Interface	
Video Output	Switchable TVI/AHD/CVI/CVBS video output, (NTSC or PAL composite, BNC)
Alarm	2 alarm inputs, 1 alarm output
RS-485	Half-duplex mode Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol
General	
Power	12 VDC, max. 16 W
Dimension	Ø 180 × 239.5 mm (Ø 7.1" × 9.4")
Weight	Approx. 2 kg (4.41 lb.)
Operating Condition	-30° C to 65° C (-22° F to 149° F). Humidity 90% or less
Language	English
Approval	
Protection	IP66 (outdoor dome), TVS 4,000 V lightning protection, surge protection and voltage transient protection

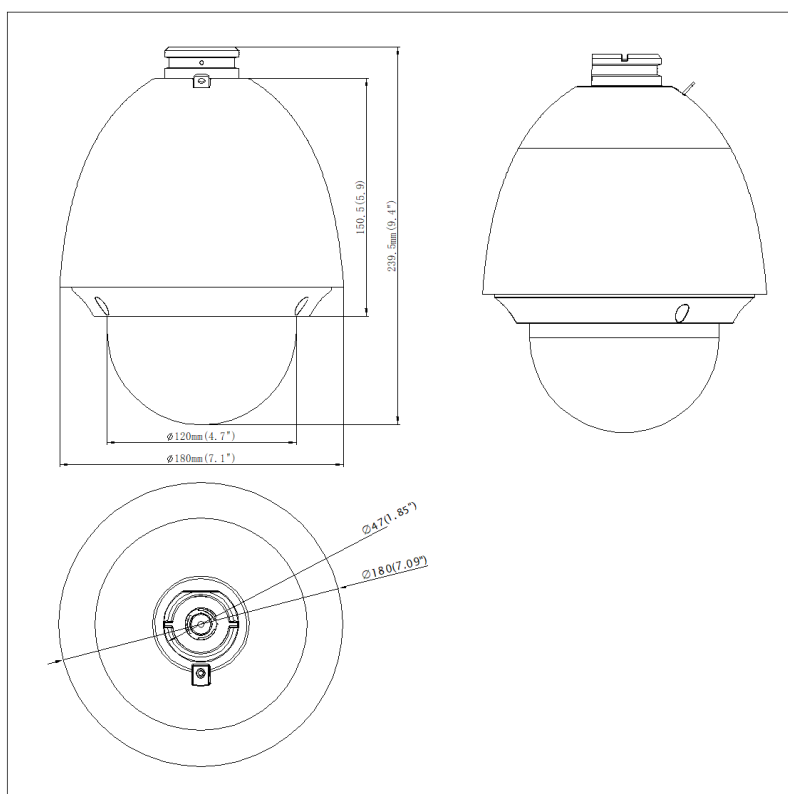
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension



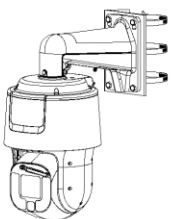
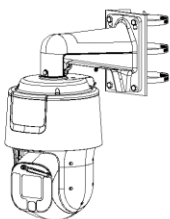
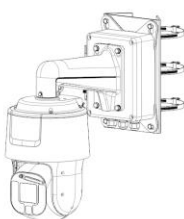
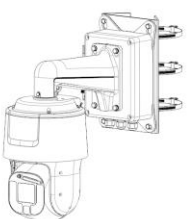
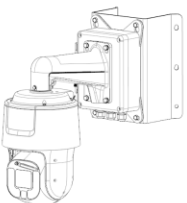
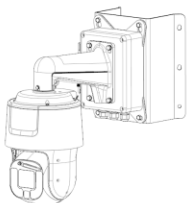
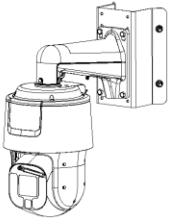
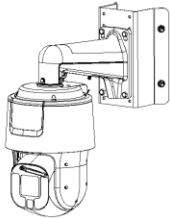
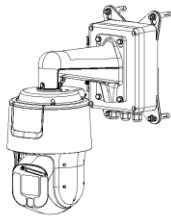
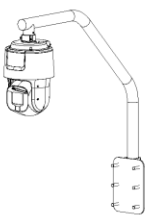
▪ Accessory

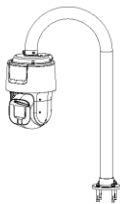
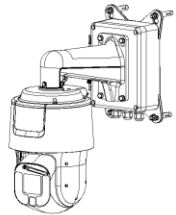
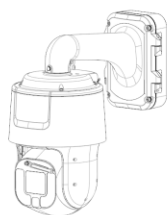
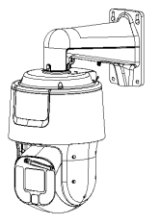
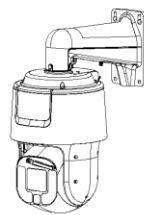
▪ Optional

DS-1673ZJ	DS-1604ZJ-pole	DS-4660ZJ-WC	DS-1662ZJ	DS-1684ZJ
				
DS-1674ZJ	DS-1660ZJ	DS-1604ZJ-BOX-CO RNER	DS-1604ZJ-BOX-PO LE	DS-1604ZJ-box
				
DS-1604ZJ-corner	DS-1661ZJ	DS-4650ZJ-WC	DS-1619ZJ	DS-1604ZJ

				
DS-1667ZJ	DS-1276ZJ	DS-1663ZJ	DS-1602ZJ	DS-1618ZJ
				

■ Installation Methods

Horizontal Pole Mounting DS-1673ZJ+DS-1663ZJ	Vertical Pole Mounting DS-1604ZJ-pole	Vertical Pole Mounting DS-1684ZJ+DS-1602ZJ	Vertical Pole Mounting DS-1604ZJ-BOX-POLE	Vertical Pole Mounting DS-4650ZJ-WC+DS-1602ZJ+DS-1674ZJ
				
Corner Mounting DS-4660ZJ-WC+DS-1602ZJ+DS-1674ZJ	Corner Mounting DS-1604ZJ-BOX-CORNER	Corner Mounting DS-1604ZJ-corner	Corner Mounting DS-1276ZJ+DS-1602ZJ	Pendant Mounting DS-1662ZJ
				
Pendant Mounting DS-1661ZJ	Pendant Mounting DS-1667ZJ	Pendant Mounting DS-1663ZJ	Junction Box DS-1674ZJ+DS-1602ZJ	Gooseneck Mounting DS-1660ZJ
				

Gooseneck Mounting DS-1619ZJ	Wall Mounting DS-1604ZJ-box	Wall Mounting DS-1604ZJ	Wall Mounting DS-1602ZJ	Wall Mounting DS-1618ZJ
				

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