

# DS-2DF7C445IXR-AEL(T5)(UHK) 4 MP 45 × IR Network Speed Dome









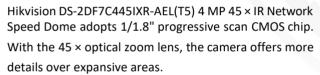












This series of cameras can be widely used for wide ranges of high-definition, such as rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.



- 1/1.8" Progressive Scan CMOS
- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- 45× optical zoom and 16× digital zoom provide close up views over expansive areas
- 120 dB WDR, 3D DNR, HLC, Smart IR
- Expansive night view with up to 300 m IR distance
- Offers advanced perimeter protection with face detection,
   PPE detection, climbing and loitering alerts, people gathering analysis, vehicle/human classification, and intelligent alarm linkage
- Supports rapid focus
- Water and dust resistant (IP67) and IK10 Protection





#### - 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)	4020 m (13189 ft)	1595.2 m (5233.6 ft)	804 m (2637.8 ft)	402 m (1318.9 ft)	

# Specification

Camera		
Image Sensor	1/1.8" progressive scan CMOS	
Min. Illumination	Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.0005 Lux @ (F1.5, AGC ON), 0 Lux with IR	
Shutter Speed	1/3 s to 1/30,000 s	
Slow Shutter	Yes	
Day & Night	IR cut filter	
HLC	Yes	
Zoom	45 × optical, 16 × digital	
Max. Resolution	2560 × 1440	
Lens		
	Horizontal field of view: 60.2° to 1.7°	
FOV	Vertical field of view: 35.2° to 1°	
	Diagonal field of view: 67.4° to 1.8°	
Focus	Auto, semi-auto, manual, rapid focus	
Zoom Speed	Approx. 8.5 s	
Focal Length	5.9 to 265.5 mm	
Aperture	Max. F1.5	
Illuminator		
Supplement Light Type	IR	
Supplement Light Range	Up to 300 m	
PTZ		
Movement Range (Pan)	360°	
Movement Range (Tilt)	-15° to 90° (auto flip)	
Pan Speed	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s	
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s	
Proportional Pan	Yes	
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	
Power-off Memory	Yes	
Park Action	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan	
3D Positioning	Yes	
PTZ Status Display	Yes	
Preset Freezing	Yes	





Interface			
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port		
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB		
Alarm	7 inputs, 2 outputs		
	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K $\Omega$ ± 10%;		
Audio	1 output (line out), line level, output impedance: $600\Omega$		
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)		
Event			
Basic Event	Motion detection, video tampering alarm, exception, alarm input and output		
	Line crossing detection, intrusion detection, region entrance detection, region exiting		
Smart Event	detection, unattended baggage detection, object removal detection, audio exception detection		
Smart Tracking	Manual tracking, auto-tracking		
Alarm Linkaga	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm		
Alarm Linkage	output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)		
Deep Learning Function			
	Detects up to 15 faces simultaneously.		
Face Capture	Supports detecting, capturing, grading, selecting of face in motion, and outputs the		
	best face picture		
General			
Power	24 VAC, 3.0 A, 50/60 Hz & Hi-PoE, 42.5 to 57 VDC, 1.41 A		
Tower	(Max. 40 W, includes max. 16 W for IR and max. 10 W for heater)		
General Function	Mirror, password protection		
Operating Condition	-40 °C to 70 °C (-40 °F to 158 °F). Humidity 95% or less (non-condensing)		
Dimension	Ø 226 mm × 354 mm (Ø 8.90" × 13.94")		
Weight	Approx. 5.0 kg (11.02 lb.)		
Approval			
	FCC SDoC (47 CFR Part 15, Subpart B);		
	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011		
EMC	+A1: 2014);		
Line	RCM (AS/NZS CISPR 32: 2015);		
	IC VoC (ICES-003: Issue 6, 2019);		
	KC (KN 32: 2015, KN 35: 2015)		
	UL (UL 62368-1)		
	CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);		
Safety	CE-LVD (EN 62368-1:2014+A11:2017),		
	BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);		
	LOA (SANS IEC60950-1)		
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU);		
	Reach (Regulation (EC) No 1907/2006)		
Protection	IP66 (IEC 60529-2013), TVS 6000V lightning protection, surge protection and voltage		
	transient protection		

#### Available Model

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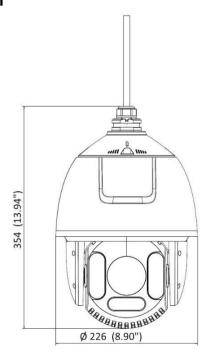
## Typical Application

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-1602ZJ DS-1602ZJ-pole DS-1602ZJ-	corner DS-1661ZJ
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