# DS-2DF7276-AEL

## 1.3 MP Outdoor Network IR PTZ Dome Camera

**HIKVISION®**

**smart IPC**

- 1/3" Progressive Scan CMOS
- 30x Optical Zoom, 16x Digital Zoom
- Smart Tracking, Defog
- Up to 490ft (150 m) IR Distance
- True Day/Night, DWDR, 3D DNR
- 3D Intelligent Positioning
- Triple Stream
- 24 VAC / Hi-PoE (injector supplied), 60 W

Hikvision DS-2DF7276-AEL Network IR PTZ cameras produce 1280 x 960 images and feature 490 ft (150 m) Smart IR to improve performance in challenging lighting conditions.

The embedded 1/3" progressive scan CMOS chip supports Digital WDR, and the 30x optical zoom Day/Night lens also allows for greater detail to be collected over more expansive areas.

The IR PTZ Dome Camera also features a wide range of smart functions, including intrusion detection, line crossing detection, and audio exception, which allows for key events and objects to be recorded for further forensic needs.

These features also include smart tracking, which enables the camera to detect moving objects and follow them within the camera's area of coverage. Defog and HLC/BLC are also supported, and help improve image quality in challenging conditions.

**Available models:**
DS-2DF7276-AEL

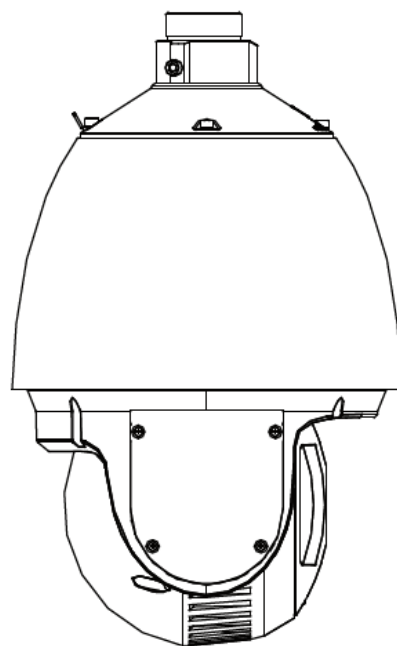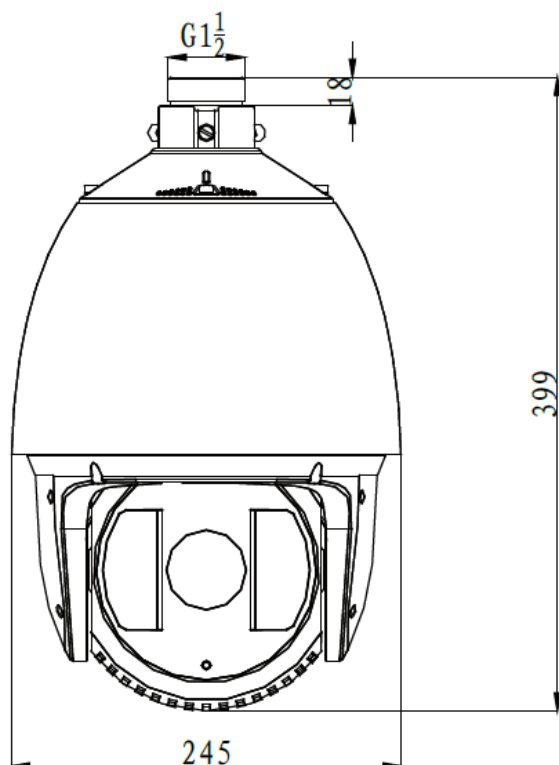| DS-2DF7276-AEL | |
|---|---|
| **Camera** | |
| Image Sensor | 1/3" progressive scan CMOS |
| Effective Pixels | 1320 K pixels |
| Minimum Illumination | Color: 0.5 lux ($f$/1.6,1/30 sec, 50 IRE, AGC on); 0 lux with IR; B/W: 0.005 lux ($f$/1.6,1/30 sec, 50 IRE, AGC on); 0 lux with IR |
| White Balance | Auto / manual / ATW / indoor / outdoor / daylight lamp / sodium lamp |
| AGC | Auto / manual |
| S/N Ratio | ≥ 50 dB |
| Digital Noise Reduction | 3D DNR |
| Backlight Compensation | HLC/BLC |
| Wide Dynamic Range | Digital WDR |
| Shutter Speed | 1 to 1/30,000 s |
| Day / Night | IR cut filter |
| Digital Zoom | 16x |
| Privacy Masking | 24 privacy masks programmable, optional multiple colors and mosaics |
| Focus Mode | Auto / semiautomatic / manual |
| Enhancement | Defog |
| **Lens** | |
| Focal Length | 4.3 mm to 129.0 mm, 30x optical zoom |
| Zoom Speed | Approximately 3 s (optical wide to tele) |
| Angle of View | 65.5˚ to 2.11˚ (wide to tele) |
| Minimum Working Distance | 10 mm to 1,500 mm (wide to tele) |
| Aperture Range | $f$/1.6 to $f$/5.0 |
| **Pan and Tlkt** | |
| Smart Tracking | Supported |
| Pan/Tilt Range | Pan: 360˚ endless; tilt: -2˚ to 90˚ (auto flip ) |
| Pan/Tilt Speed | Pan manual speed: 0.1˚ to 160˚/s, pan preset speed: 160˚/s; Tilt manual speed: 0.1˚ to 120˚/s, tilt preset speed: 120˚/s |
| Proportional Zoom | Rotation speed can be adjusted automatically according to zoom multiples |
| Number of Presets | 256 |
| Patrols | 8 patrols, up to 32 presets per patrol |
| Patterns | 4 patterns, with a recording time not less than 10 minutes per pattern |
| Power-Off Memory | Supported |
| Park Actions | Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan |
| PTZ Position Display | Supported |
| Preset Freezing | Supported |
| Scheduled Task | Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan / dome reboot / self-test action / alarm output |
| **Infrared** | |
| Smart IR | 7/2 |
| IR Distance | Up to 150 m |
| IR Intensity | Automatically adjusted, depending on the zoom ratio |
| **Alarm** | |
| Alarm Input | 7 inputs |
| Alarm Output | 2 relay outputs, alarm response actions configurable |
| Alarm Trigger | Motion detection, audio exception detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, storage exception |
| Alarm Action | Preset, patrol, pattern, SD/SDHC card recording, relay output, notification on client |
| **Local Video and Audio** | |
| Video Output | 1.0 V[p-p]/75 Ω, NTSC (or PAL) composite, BNC |
| Audio Input | 1 mic in/line in interface. Line input: 2 to 2.4 V[p-p]; output impedance: 1KΩ, ±10% |
| Audio Output | 1 audio output interface. Line level, impedance: 600 Ω |
| **Network** | |
| Ethernet | 10 Base-T / 100 Base-TX, RJ-45 connector |
| Maximum Image Resolution | 1280 x 960 |
| Frame Rate | 30 fps (1280 × 960), 30 fps (1280 × 720) |
| Image Compression | H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profiles |
| SVC | Supported |
| ROI Encoding | Supported |
| Audio Compression | G.711u / G.711a / G.726 / MP2L2 |
| 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 10 |
| Streams | Triple streams |
| SD Memory Card | Built-in SD/SDHC slot, up to 128 GB, supports manual / alarm / edge recording |
| User/Host Level | Up to 32 users, 3 levels: administrator, operator, and user |
| Security Measures | User authentication (ID and PW); host authentication (MAC address); IP address |
| **Integration** | |
| Application Programming | Open-ended API, supports ONVIF, PSIA , CGI, and ISAPI |
| Web Browser | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, multi-language support |
| **General** | |
| RS-485 Protocols | HIKVISION, Pelco-P, Pelco-D, self-adaptive |
| Power | 24 VAC Hi-PoE, maximum 60 W |
| Working Temperature | 24 VAC: -40˚ F to 149˚ F (-40˚ C to 65˚ C)/Hi-PoE: -22˚ F to 149˚ F (-30˚ C to 65˚ C) |
| Humidity | 90% or less |
| Protection Level | IP66, TVS 4,000V lightning protection, surge protection, and voltage transient protection |
| Dimensions | Φ 9.65" × 15.71" (Φ 245 mm x 399 mm) |
| Weight | 12.13 lbs (5.5 kg) |

| WMP-L | CMP | PMP | JBPW-L | PMPL | CMPL | CPM-S | CPM-L | CPMPE | RPM |
|---|---|---|---|---|---|---|---|---|---|
| Long Wall Mount | Large Corner Mount for WMP-S/L | Pole Mount for WMP-S/L | Power Box Mount w/Wall Bracket | Large Pole Mount for JBPW-L | Large Corner Mount for JBPW-L | Short Ceiling Pendant Mount | Long Ceiling Pendant Mount | Ceiling Pendant Mount Extension Pipe | Roof Parapet Mount |

## Dimensions

$G1\frac{1}{2}$

18

399

245

Unit:mm