

## IPC-T247HA-LUFC 4 MP Smart Hybrid Light Fixed Turret Network Camera



- High quality imaging with 4 MP resolution
- Support Human Detection
- Efficient H.265+ compression technology
- Smart Hybrid Light: advanced technology with long range coverage
- Built-in microphone for real-time audio security
- -F model supports on-board storage up to 512 GB (SD card slot)
- Water and dust resistant (IP67)

## ▪ Specification

| Camera                      |                                                                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.8" Progressive Scan CMOS                                                                                                               |
| Max. Resolution             | 2560 × 1440                                                                                                                                |
| Min. Illumination           | Color: 0.01 Lux @ (F2.2, AGC ON), B/W: 0 Lux with IR                                                                                       |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                       |
| Day & Night                 | IR cut filter                                                                                                                              |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                       |
| Lens                        |                                                                                                                                            |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional                                                                                                    |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 104°, vertical FOV 57°, diagonal FOV 123°<br>4 mm, horizontal FOV 82°, vertical FOV 45°, diagonal FOV 98°           |
| Lens Mount                  | M12                                                                                                                                        |
| Iris Type                   | Fixed                                                                                                                                      |
| Aperture                    | F1.6                                                                                                                                       |
| Depth of Field              | 2.8 mm: 0.9 m to ∞<br>4 mm: 1.1 m to ∞                                                                                                     |
| DORI                        |                                                                                                                                            |
| DORI                        | 2.8 mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m<br>4 mm, D: 67 m, O: 26 m, R: 13 m, I: 6 m                                                       |
| Illuminator                 |                                                                                                                                            |
| Supplement Light Type       | IR, White Light                                                                                                                            |
| Supplement Light Range      | Up to 20 m                                                                                                                                 |
| Smart Supplement Light      | Yes                                                                                                                                        |
| IR Wavelength               | 850 nm                                                                                                                                     |
| Video                       |                                                                                                                                            |
| Main Stream                 | 50 Hz:<br>20 fps (2560 × 1440),<br>25 fps (1920 × 1080, 1280 × 720)<br>60 Hz:<br>20 fps (2560 × 1440),<br>24 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720 , 640 × 480, 640 × 360)<br>60 Hz: 24 fps (1280 × 720 , 640 × 480, 640 × 360)                                     |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG                                                                   |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                                          |
| H.264 Type                  | Baseline Profile, Main Profile, High Profile                                                                                               |
| H.265 Type                  | Main Profile                                                                                                                               |
| Bit Rate Control            | CBR, VBR                                                                                                                                   |
| Region of Interest (ROI)    | 1 fixed region for main stream                                                                                                             |
| Audio                       |                                                                                                                                            |
| Audio Type                  | Mono sound                                                                                                                                 |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                               |
| Environment Noise Filtering | Yes                                                                                                                                        |

|                          |                                                                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Compression        | G.711ulaw/AAC-LC                                                                                                                                                                                                                                                                                     |
| Audio Bit Rate           | 64 Kbps (G.711ulaw)/16 to 64 Kbps (AAC-LC)                                                                                                                                                                                                                                                           |
| <b>Network</b>           |                                                                                                                                                                                                                                                                                                      |
| Protocols                | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTCP, RTSP, NTP, IGMP, IPv4, IPv6, UDP, QoS, SNMP, DDNS                                                                                                                                                                                                          |
| API                      | ONVIF (ProfileS, ProfileT, ProfileG (only -F model supports ProfileG)), ISAPI, SDK                                                                                                                                                                                                                   |
| Security                 | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)                                                                               |
| Simultaneous Live View   | Up to 6 channels                                                                                                                                                                                                                                                                                     |
| User/Host                | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                                                                                                   |
| Client                   | iVMS-4200, HiLookVision                                                                                                                                                                                                                                                                              |
| Web Browser              | Local service: Chrome 80+, Firefox 80+, Edge 89+, IE 11                                                                                                                                                                                                                                              |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                      |
| Wide Dynamic Range (WDR) | Digital WDR                                                                                                                                                                                                                                                                                          |
| SNR                      | ≥ 52 dB                                                                                                                                                                                                                                                                                              |
| Day/Night Switch         | Day, Night, Auto, Schedule                                                                                                                                                                                                                                                                           |
| Image Enhancement        | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                                     |
| Image Settings           | Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                                                                                                                       |
| Privacy Mask             | 1 programmable polygon privacy mask                                                                                                                                                                                                                                                                  |
| <b>Interface</b>         |                                                                                                                                                                                                                                                                                                      |
| Ethernet Interface       | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                                                                                                        |
| On-Board Storage         | -F model: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                                                                                          |
| Built-in Microphone      | Yes, 1 built-in microphone                                                                                                                                                                                                                                                                           |
| Reset Key                | -F model supports                                                                                                                                                                                                                                                                                    |
| <b>Event</b>             |                                                                                                                                                                                                                                                                                                      |
| Basic Event              | Motion detection (support alarm triggering by specified target type (human)), exception                                                                                                                                                                                                              |
| Linkage                  | Upload to memory card (-F model supports), send email, notify surveillance center, trigger recording (-F model supports), trigger capture                                                                                                                                                            |
| <b>General</b>           |                                                                                                                                                                                                                                                                                                      |
| Power                    | LU model:<br>12 VDC ± 25%, 0.42 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 0, max. 6.5 W<br>LUFC model:<br>12 VDC ± 25%, 0.42 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 6.5 W |
| Material                 | Metal & Plastic                                                                                                                                                                                                                                                                                      |
| Dimension                | Ø112 mm × 88.4 mm (Ø4.41" × 3.48")                                                                                                                                                                                                                                                                   |

|                                  |                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Package Dimension                | 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")                                                                                                        |
| Weight                           | Approx. 345 g (0.7 lb.)                                                                                                                              |
| With Package Weight              | Approx. 588 g (1.2 lb.)                                                                                                                              |
| Storage Conditions               | -30 °C to 45 °C (-22 °F to 113 °F). Humidity 95% or less (non-condensing)                                                                            |
| Startup and Operating Conditions | -30 °C to 45 °C (-22 °F to 113 °F). Humidity 95% or less (non-condensing)                                                                            |
| Language                         | English, Ukrainian                                                                                                                                   |
| General Function                 | Heartbeat,anti-banding,mirror,password protection,password reset via email                                                                           |
| <b>Approval</b>                  |                                                                                                                                                      |
| EMC                              | CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, KC: KN32: 2015, KN35: 2015 |
| Safety                           | CB: IEC 62368-1:2014+A11, CE-LVD: EN 62368-1:2014/A11: 2017                                                                                          |
| Environment                      | CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006                                                                           |
| Protection                       | IP67: IEC 60529-2013                                                                                                                                 |

## ▪ 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.

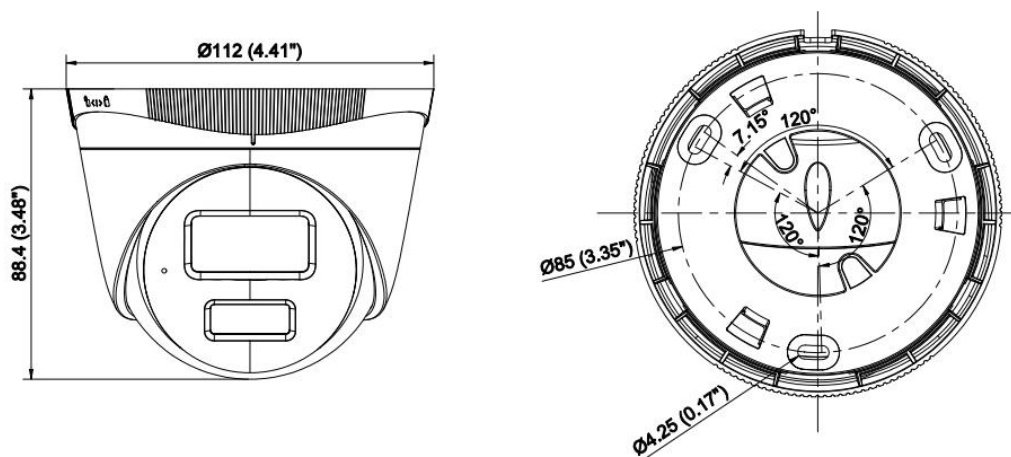
This model has NO SPECIFIC PROTECTION.

| 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.                                                                                                                                  |

## ▪ Available Model

IPC-T247HA-LUFC(2.8mm)(HIK TUR)

## ▪ Dimension



Unit:mm (inch)

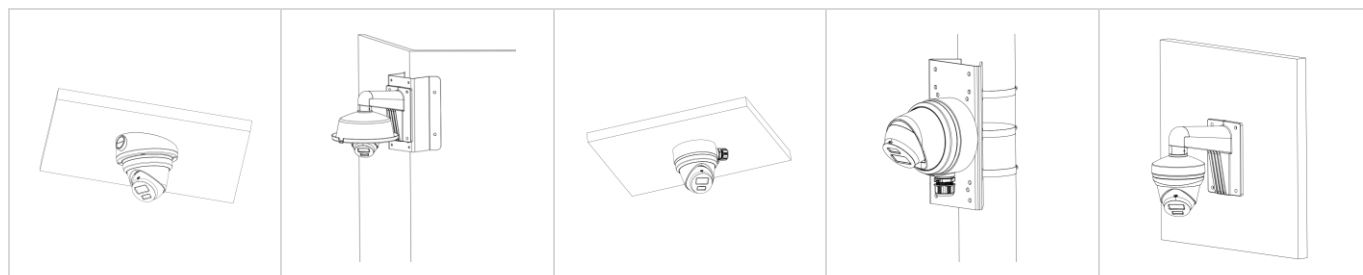
▪ Accessory

▪ Optional

| DS-1281ZJ-S                                                                         | DS-1276ZJ-SUS                                                                       | DS-1280ZJ-TR13                                                                      | DS-1275ZJ-SUS                                                                         | DS-1272ZJ-110-TRS                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| <b>DS-1271ZJ-110-TRS</b>                                                            |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|  |                                                                                     |                                                                                     |                                                                                       |                                                                                       |

▪ Installation Methods

| Inclined Ceiling<br>Mounting<br>DS-1281ZJ-S | Corner Mounting<br>DS-1276ZJ-SUS+DS-12<br>72ZJ-110-TRS+DS-125<br>3ZJ-M | Junction Box<br>DS-1280ZJ-TR13 | Vertical Pole<br>Mounting<br>DS-1275ZJ-SUS+DS-12<br>80ZJ-S | Wall Mounting<br>DS-1272ZJ-110-TRS |
|---------------------------------------------|------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------|------------------------------------|
|---------------------------------------------|------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------|------------------------------------|



**Pendant Mounting**  
**DS-1271ZJ-110-TRS**



# See Far, Go Further



[www.hikvision.com](http://www.hikvision.com)  
[support@hikvision.com](mailto:support@hikvision.com)



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# HiLook