

## IPC-T220H-U 2 MP IR Fixed Turret Network Camera



- 1/2.8" Progressive Scan CMOS
- 1920 × 1080@30fps
- 2.8/4 mm fixed lens
- Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
- H.265+/H.265/H.264+/H.264
- BLC/3D DNR/ROI
- IR range: Up to 30 m
- 3-Axis adjustment
- IP66
- Built-in microphone

## Specifications

| Camera             |                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor       | 1/2.8" Progressive Scan CMOS                                                                                                           |
| Min. Illumination  | Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR                                                                                       |
| Shutter Speed      | 1/3 s to 1/100,000 s                                                                                                                   |
| Slow Shutter       | Yes                                                                                                                                    |
| Day & Night        | IR Cut Filter                                                                                                                          |
| WDR                | DWDR                                                                                                                                   |
| Angle Adjustment   | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                   |
| Lens               |                                                                                                                                        |
| Lens Type          | Fixed lens, 2.8/4 mm                                                                                                                   |
| Aperture           | F2.0                                                                                                                                   |
| FOV                | 2.8mm: Horizontal FOV: 114°, vertical FOV: 62°, diagonal FOV: 135°<br>4 mm: Horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 102° |
| Lens Mount         | M12                                                                                                                                    |
| Illuminator        |                                                                                                                                        |
| IR Range           | Up to 30 m                                                                                                                             |
| Wavelength         | 850 nm                                                                                                                                 |
| Video              |                                                                                                                                        |
| Max. Resolution    | 1920 × 1080                                                                                                                            |
| Main Stream        | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)                                 |
| Sub Stream         | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)                                         |
| Video Compression  | Main stream: H.265+/H.265/H.264+/H.264<br>Sub-stream: H.265/H.264/MJPEG                                                                |
| H.264 Type         | Baseline Profile/Main Profile/High Profile                                                                                             |
| H.265 Type         | Main Profile                                                                                                                           |
| Video Bit Rate     | 32 Kbps to 8 Mbps                                                                                                                      |
| Audio(-U)          |                                                                                                                                        |
| Audio Compression  | G.711/G.722.1/G.726/MP2L2/PCM                                                                                                          |
| Audio Bit Rate     | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)                                                                          |
| Smart Feature-Set  |                                                                                                                                        |
| Basic Event        | Motion detection, video tampering alarm, exception (illegal login)                                                                     |
| Linkage Method     | Upload to FTP, notify surveillance center, send email, trigger capture                                                                 |
| Region of Interest | 1 fixed region for main stream and sub-stream                                                                                          |
| Image              |                                                                                                                                        |
| Image Enhancement  | BLC, 3D DNR                                                                                                                            |
| Image Setting      | Rotate mode, saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser           |

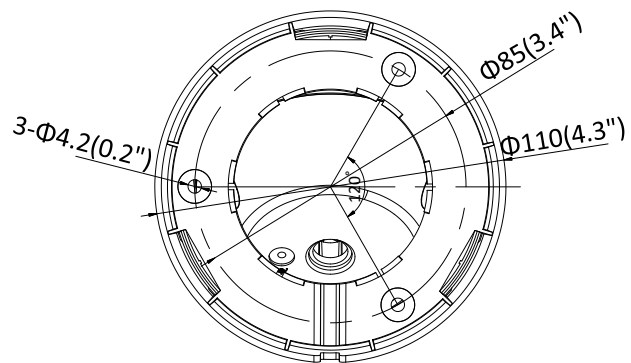
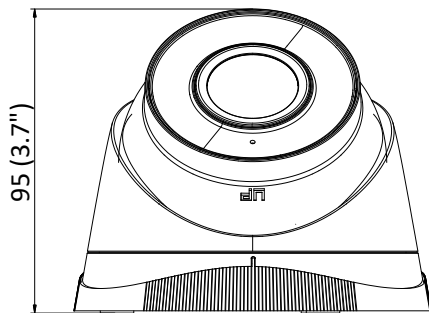
|                                  |                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Day/Night Switch                 | Day/Night/Auto/Schedule                                                                                                                                                                 |
| <b>Network</b>                   |                                                                                                                                                                                         |
| Protocols                        | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP                                                                                                         |
| API                              | ONVIF (PROFILE S, PROFILE G), ISAPI, SDK                                                                                                                                                |
| Simultaneous Live View           | Up to 6 channels                                                                                                                                                                        |
| User/Host                        | Up to 32 users, 3 levels: administrator, operator and user                                                                                                                              |
| Client                           | HiLookVision PC Client, HiLookVision App                                                                                                                                                |
| Web Browser                      | IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11                                                                                                                                    |
| <b>Interface</b>                 |                                                                                                                                                                                         |
| Communication Interface          | 1 RJ45 self-adaptive Ethernet port                                                                                                                                                      |
| Audio                            | 1 audio input (built-in microphone), mono sound                                                                                                                                         |
| Interface Style                  | Pigtail style interface                                                                                                                                                                 |
| <b>General</b>                   |                                                                                                                                                                                         |
| Firmware Version                 | 5.5.83                                                                                                                                                                                  |
| General Function                 | One-key reset, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter                                                                                       |
| Reset                            | Reset via web browser and client software                                                                                                                                               |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)                                                                                                               |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)                                                                                                               |
| Power Supply                     | 12 VDC $\pm$ 25%, $\Phi$ 5.5 mm coaxial power plug; PoE (802.3af, class 0)                                                                                                              |
| Power Consumption and Current    | 12 VDC, 0.4 A, max. 5 W; PoE (802.3af, 36 V to 57 V), 0.20 A to 0.10 A, max. 6.5 W                                                                                                      |
| Material                         | Camera body: metal, bottom base : plastic                                                                                                                                               |
| Dimensions                       | Camera: 95 $\times$ $\Phi$ 110 mm (3.7" $\times$ $\Phi$ 4.3")<br>With package: 150 $\times$ 150 $\times$ 141 mm (5.9" $\times$ 5.9" $\times$ 5.6")                                      |
| Weight                           | Camera: Approx. 355 g (0.78 lb.)<br>With package: Approx. 684 g (1.5 lb.)                                                                                                               |
| <b>Approval</b>                  |                                                                                                                                                                                         |
| EMC                              | 47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015 |
| Safety                           | UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC/EN 60950-1                                                                           |
| Chemistry                        | 2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006                                                                                                                                    |
| Protection                       | Ingress protection: IP66 (IEC 60529-2013)                                                                                                                                               |

\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

## Available Model

IPC-T220H-U (2.8/4 mm)

## Dimension



Unit: mm (inch)

## Accessory



**HIA-B401-110T**  
Wall Mount



**HIA-B301**  
Vertical Pole Mount



**HIA-B201**  
Corner Mount



**HIA-J102**  
Junction Box