

HIKVISION®

HiWatch Series

HWI-B120H-U

2 MP IR Fixed Bullet Network Camera



- 1/2.7" 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



www.hikvision.com

Specifications

| Camera | |
|--------------------------|--|
| Image Sensor | 1/2.7" 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 180°, 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° 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) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub Stream | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264 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 |

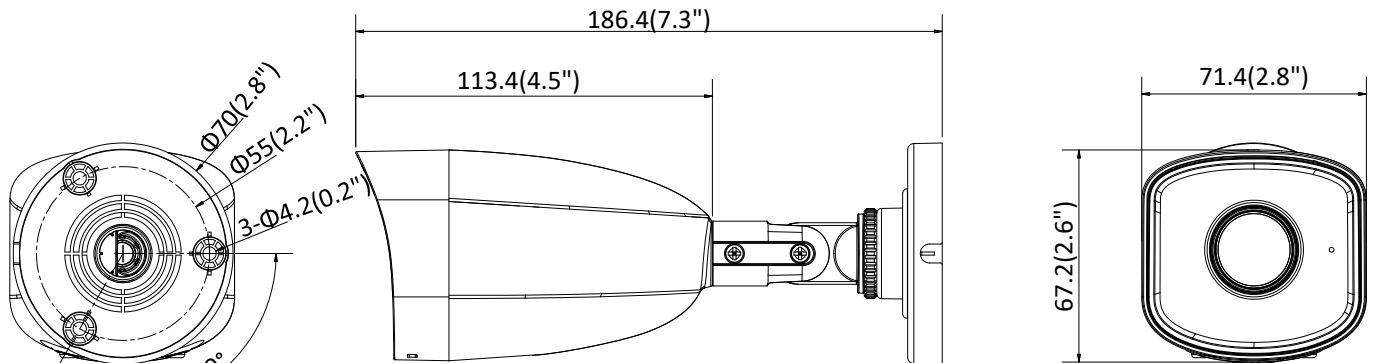
| | |
|----------------------------------|--|
| Day/Night Switch | Day/Night/Auto/Schedule |
| Network | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP |
| API | ONVIF (PROFILE S, PROFILE G), ISAPI, SDK |
| Simultaneous Live View | Up to 6 channels |
| User/Host | Up to 32 users, 3 levels: administrator, operator and user |
| Client | iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect |
| Web Browser | IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 |
| Interface | |
| Communication Interface | 1 RJ45 self-adaptive Ethernet port |
| Audio | 1 audio input (built-in microphone), mono sound |
| Interface Style | Pigtail style interface |
| General | |
| 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 ± 25%, Φ 5.5 mm coaxial power plug; PoE (802.3af, class 3) |
| Power Consumption and Current | 12 VDC, 0.3 A, max.3.6 W; PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 4.0 W |
| Material | Front cover: metal, back cover : plastic |
| Dimensions | Camera: 71.4 × 67.2 × 186.4 mm (2.8" × 2.6" × 7.3") With package: 216 × 121 × 118 mm (8.5" × 4.8" × 4.6") |
| Weight | Camera: Approx. 260 g (0.6 lb.) With package: Approx. 460 g (1 lb.) |
| Approval | |
| EMC | EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014 |
| Safety | EN 60950-1:2005 + Am 1:2009 + Am 2:2013 |
| 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

HWI-B120H-U (2.8/4 mm)

Dimension



Unit: mm (inch)

Accessory



DS-1280ZJ-XS
Junction Box

Distributed by



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