

## DH-PTZ12230/12240-IRB -N

2Mp Full HD 30x/40x Network IR High-Speed Positioning System



### Features

- Powerful 30x/40x optical zoom
- Support Triple-stream encoding
- Max 60fps@720P and 30fps@1080P resolution
- Defog, Wiper, DWDR, Ultra DNR, Ultra low bitrate, EIS, ROI, Day/Night(ICR), Auto iris, Auto focus
- Support Auto tracking and IVS
- Pan range: 360° endless, speed up to 160°/s
- Up to 300 Presets, 8 Tour, 5 Pattern, 5 Auto scan
- Support intelligent 3D positioning
- IR Distance up to 300m, IP66
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS

## DH-PTZ12230/12240-IRB -N

### Technical Specifications

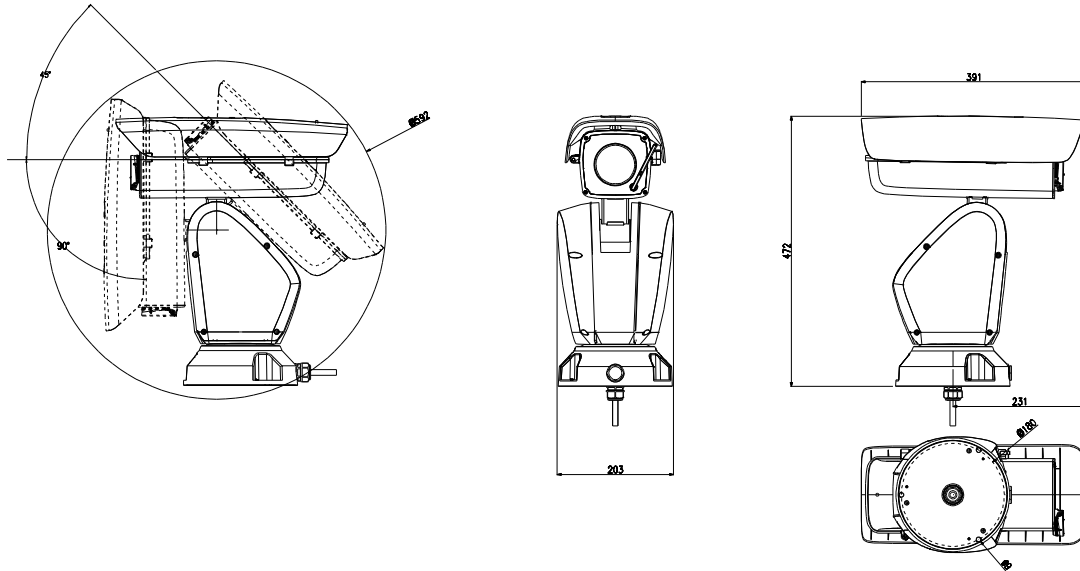
| Model                    | DH-PTZ12230-IRB-N  | DH-PTZ12240-IRB-N                   |
|--------------------------|--|-------------------------------------|
| <b>Camera</b>            |  |                                     |
| Image Sensor             | 1/2.8" Exmor CMOS  |                                     |
| Effective Pixels         | 1944(H) x 1092(V), 2 Megapixels  |                                     |
| Scanning System          | Progressive  |                                     |
| Electronic Shutter Speed | 1/1 ~ 1/30,000s  |                                     |
| Min. Illumination        | Color: 0.05Lux@F1.6, B/W: 0.005Lux@F1.6, 0Lux (IR on)                                    |                                     |
| S/N Ratio                | More than 55dB   |                                     |
| Video Output             | BNC(1.0Vp-p/75Ω), PAL / NTSC   |                                     |
| <b>Camera Features</b>   |  |                                     |
| Day/Night                | Auto(ICR) / Color / B/W  |                                     |
| Backlight Compensation   | BLC / HLC / DWDR (Digital WDR)   |                                     |
| White Balance            | Auto, ATW, Indoor, Outdoor, Manual   |                                     |
| Gain Control             | Auto / Manual  |                                     |
| Noise Reduction          | Ultra DNR (2D/3D)  |                                     |
| Privacy Masking          | Up to 24 areas   |                                     |
| Digital Zoom             | 16x  |                                     |
| Defog                    | On / Off   |                                     |
| ROI                      | Support  |                                     |
| Wiper                    | Support  |                                     |
| <b>Lens</b>              |  |                                     |
| Focal Length             | 4.3mm ~ 129mm<br>(30x Optical zoom)  | 7.9mm ~ 316mm<br>(40x Optical zoom) |
| Max Aperture             | F1.6 ~ F5.0  | F1.6 ~ F6.1                         |
| Focus Control            | Auto / Manual  |                                     |
| Angle of View            | H: 65.1° ~ 2.34°   | H: 41.5° ~ 1.1°                     |
| Close Focus Distance     | 100mm ~ 1000mm   |                                     |
| <b>PTZ</b>               |  |                                     |
| Pan/Tilt Range           | Pan: 0° ~ 360° endless; Tilt: -90° ~ 45°   |                                     |
| Manual Control Speed     | Pan: 0.1° ~160° /s; Tilt: 0.1° ~60° /s   |                                     |
| Preset Speed             | Pan: 0.1° ~160° /s; Tilt: 0.1° ~60° /s   |                                     |
| Preset                   | 300  |                                     |
| PTZ Mode                 | 5 Pattern, 8 Tour, Auto Pan, Auto Scan   |                                     |
| Positioning Accuracy     | ±0.1°  |                                     |
| Speed Setup              | Human-oriented focal length/ speed adaptation  |                                     |
| Power up Action          | Auto restore to previous PTZ and lens status after power failure                         |                                     |
| Idle Motion              | Activate Preset/ Pan/ Scan/ Tour/ Pattern if there is no command in the specified period |                                     |
| Time Task                | Auto activation of Preset/ Pan/ Scan/ Tour/ Pattern by preset-time                       |                                     |

## DH-PTZ12230/12240-IRB -N

|                             |  |   |
|-----------------------------|--|---|
| Protocol                    | DH-SD, Pelco-P/D (Auto recognition)  |   |
| IR Distance                 | 300m   |   |
| <b>Video</b>                |  |   |
| Compression                 | H.264 / MJPEG  |   |
| Resolution                  | 1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF (352×288/352×240)  |   |
| Frame Rate                  | Main Stream  | 1080P (1 ~ 25/30fps) / 720P(1~50/60fps) |
|                             | Sub Stream1  | D1/CIF(1 ~ 25/30fps)                    |
|                             | Sub Stream2  | 720P/D1/CIF(1 ~ 25/30fps)               |
| Bit Rate                    | H.264: 56K ~ 8192Kbps, MJPEG: 56K ~ 20480Kbps  |   |
| <b>Audio</b>                |  |   |
| Compression                 | G.711a / G.711u(32kbps)/ PCM(128kbps)  |   |
| Interface                   | 1/1 channel In/Out   |   |
| <b>Intelligent Function</b> |  |   |
| Auto Tracking               | Single-scene, multiple-scene, panorama-scene   |   |
| IVS (optional)              | Tripwire, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving and etc. |   |
| Tracking Trigger Mode       | Manual / Auto (alarm triggered)  |   |
| Tracking Trigger Event      | Targeting, Zoom, Tracking, Recording, Snapshot, Alarm and etc.   |   |
| <b>Network</b>              |  |   |
| Ethernet                    | RJ-45 (10/100Base-T)   |   |
| Protocol                    | IPv4/ IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x                |   |
| Compatibility               | ONVIF PSIA CGI   |   |
| Max. User Access            | 20 users   |   |
| Smart Phone                 | iPhone, iPad, Android, Windows Phone   |   |
| <b>Auxiliary Interface</b>  |  |   |
| Memory Slot                 | Micro SD, Max 64GB   |   |
| RS485                       | 1 port   |   |
| Alarm                       | 7/2 channel In/Out   |   |
| <b>General</b>              |  |   |
| Power Supply                | AC 24V/5A  |   |
| Power Consumption           | ≤100W  |   |
| Working Environment         | -40°C ~ 70°C / Less than 90% RH  |   |
| Ingress Protection          | IP66, All-metal aluminum alloy, 6000V anti-lightning surge   |   |
| Dimensions                  | 391(mm) x 203 (mm) x 472 (mm)  |   |
| Weight                      | 10.5Kg   |   |

# DH-PTZ12230/12240-IRB -N

## Dimensions (mm)



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\*Design and specifications are subject to change without notice.

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