

## PTZIP212X20/PTZIP212X20-C

### 2MP Network PTZ Dome Camera



PTZIP212X20



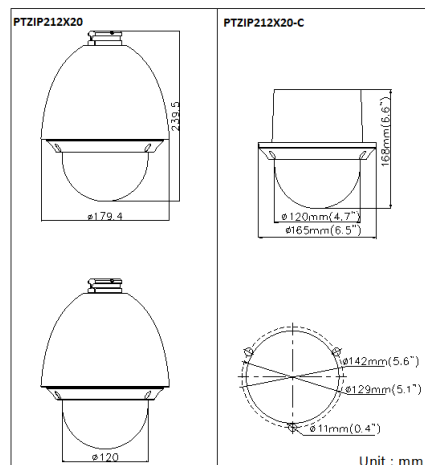
PTZIP212X20-C



#### Key features

- 1/2.8" Progressive Scan CMOS
- 1080P Full HD real-time resolution
- 20X Optical zoom, 16X digital zoom
- True Day/Night, D WDR, 3D DNR
- Privacy Mask, Alarm input/output
- 3D intelligent positioning
- PoE+/ PoE / 24VAC power supply
- Compact-sized design

#### Dimensions



| PTZIP212X20/PTZIP212X20-C    |                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>                |                                                                                                                              |
| Image sensor                 | 1/2.8" Progressive Scan CMOS                                                                                                 |
| Effective pixel              | 1920(H) × 1080(V)                                                                                                            |
| Min. illumination            | Color: 0.05Lux @ (F1.6, AGC On), B/W: 0.01Lux @ (F1.6, AGC On)                                                               |
| White balance                | Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp                                                                     |
| AGC                          | Auto / Manual                                                                                                                |
| S / N ratio                  | ≥ 52dB                                                                                                                       |
| Digital noise reduction      | 3D DNR                                                                                                                       |
| Backlight compensation       | BLC                                                                                                                          |
| Wide dynamic range           | Digital WDR                                                                                                                  |
| Defog                        | Support                                                                                                                      |
| Shutter speed                | 1/1 ~ 1/10,000s                                                                                                              |
| Day & Night                  | IR Cut Filter                                                                                                                |
| Digital zoom                 | 16X                                                                                                                          |
| Focus mode                   | Auto / Semiautomatic / Manual                                                                                                |
| Privacy Mask                 | 2 privacy masks programmable                                                                                                 |
| <b>Lens</b>                  |                                                                                                                              |
| Focal length                 | 4.7-94mm, 20x                                                                                                                |
| Zoom speed                   | Approx.3s (Optical Wide-Tele)                                                                                                |
| Angle of view                | 58.3 ~ 3.2 degree (Wide-Tele)                                                                                                |
| Min. working distance        | 10 ~ 1000mm (Wide-Tele)                                                                                                      |
| Aperture range               | F1.6 ~ F3.5                                                                                                                  |
| <b>Pan and Tilt</b>          |                                                                                                                              |
| Pan / Tilt range             | Pan: 360° endless; Tilt: -2° ~ 90° (Auto Flip)                                                                               |
| Pan / Tilt speed             | Pan manual speed: 0.1° ~ 160° /s, Pan preset speed: 160° /s<br>Tilt manual speed: 0.1° ~ 120° /s, Tilt preset speed: 120° /s |
| Proportional zoom            | Rotation speed can be adjusted automatically according to zoom multiples                                                     |
| Number of preset             | 256                                                                                                                          |
| Patrol                       | 8 patrols, up to 32 presets per patrol                                                                                       |
| Park action                  | Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan                                                              |
| Power-off memory             | Support                                                                                                                      |
| PTZ position display         | On / off                                                                                                                     |
| Preset freezing              | Support                                                                                                                      |
| <b>Local Video and Audio</b> |                                                                                                                              |
| Alarm input / output         | 1 input 0-5v DC / 1 relay output, alarm response actions configurable                                                        |
| Audio input / output         | 1 mic/Line in, 2-2.4V(p-p); output impedance: 1KΩ, ±10% / 1 output, Line level, impedance: 600Ω                              |
| <b>Network</b>               |                                                                                                                              |
| Ethernet                     | 10Base-T / 100Base-TX, RJ45 connector                                                                                        |
| Max. image resolution        | 1920 × 1080                                                                                                                  |
| Frame rate                   | 60Hz: 30 fps (1920 × 1080), 30 fps (1280 × 720); 50Hz: 25 fps (1920 × 1080), 25 fps (1280 × 720)                             |
| Image compression            | H.264/MJPEG                                                                                                                  |
| SVC                          | Support                                                                                                                      |
| ROI encoding                 | Support 2 areas with adjustable levels                                                                                       |
| 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 6                                                                                                                      |
| Streams                      | Dual streams                                                                                                                 |
| SD memory card               | Built-in micro SD card slot, up to 64GB, support edge recording                                                              |
| User/Host Level              | Up to 32 users, 3 Levels: Administrator, Operator, User                                                                      |
| Security measures            | User authentication (ID and PW), Host authentication (MAC address), IP address filtering                                     |
| <b>Integration</b>           |                                                                                                                              |
| Application programming      | Open-ended API, support Onvif, PSIA and CGI                                                                                  |
| Web Browser                  | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+                                                                                |
| <b>General</b>               |                                                                                                                              |
| Power                        | 24VAC/PoE+(802.3at), Max18W; -C: 24VAC/PoE(802.3af), Max 12W                                                                 |
| Working temperature          | -22° F ~ 149° F (-30° C ~ 65° C); -C: 14° F ~ 122° F (-10° C ~ 50° C)                                                        |
| Humidity                     | 90% or less                                                                                                                  |
| Protection level             | IP66(PTZIP212X20), TVS 4,000V lightning protection, surge protection and voltage transient protection                        |
| Dimensions                   | φ7.06" × 9.43" (φ179.4 × 239.5mm) (PTZIP212X20)<br>φ6.50" × 6.61" (φ165 × 168mm) (PTZIP212X20-C)                             |
| Weight                       | Approx. 4.41lbs (2Kg)                                                                                                        |