

# VBIP-4BZ-PRO-U

4MP HD IR Motorized Network Bullet Camera



## Key Features:

- High quality image with 4MP, 1/3"CMOS sensor
- 4MP (2688\*1520)@25/20fps; 4MP (2560\*1440)@25/20fps;3MP (2304\*1296)@30/25fps;2MP (1920\*1080)@30/25fps;
- Ultra 265, H.265, H.264, MJPEG
- high image quality in low illumination environment
- 120dB true WDR technology enables clear image in strong light scene
- Support 9:16 Corridor Mode
- Built-in Mic
- Smart IR, up to 50m (164ft) IR distance
- Supports 256 G Micro SD card
- IP67
- Support PoE power supply
- 3-Axis

## Specifications:

| CAMERA                  |           |                                                                                                                                                                                                                                                |             |               |              |
|-------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|--------------|
| Sensor                  |           | 1/3", 4.0 megapixel, progressive scan, CMOS                                                                                                                                                                                                    |             |               |              |
| Lens                    |           | 2.8 ~ 12mm motorized zoom lens                                                                                                                                                                                                                 |             |               |              |
| DORI Distance           | Lens (mm) | Detect (m)                                                                                                                                                                                                                                     | Observe (m) | Recognize (m) | Identify (m) |
|                         | 2.8<br>12 | 63<br>270                                                                                                                                                                                                                                      | 25.2<br>108 | 12.6<br>54    | 6.3<br>27    |
| Angle of View (H)       |           | 86.3°~35.2°                                                                                                                                                                                                                                    |             |               |              |
| Angle of View (V)       |           | 47.1°~17.0°                                                                                                                                                                                                                                    |             |               |              |
| Angle of View (D)       |           | 91.9°~38.6°                                                                                                                                                                                                                                    |             |               |              |
| Wide Dynamic Range      |           | Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotate: 0° ~ 360°                                                                                                                                                                                              |             |               |              |
| Shutter                 |           | Auto/Manual, 1 ~ 1/100000s                                                                                                                                                                                                                     |             |               |              |
| Minimum Illumination    |           | Color: 0.003 Lux (F1.6, AGC ON)<br>0 Lux with IR                                                                                                                                                                                               |             |               |              |
| Day/Night               |           | IR-cut filter with auto switch (ICR)                                                                                                                                                                                                           |             |               |              |
| Digital noise reduction |           | 2D/3D DNR                                                                                                                                                                                                                                      |             |               |              |
| S/N                     |           | >52dB                                                                                                                                                                                                                                          |             |               |              |
| IR Range                |           | Up to 50m (164ft) IR range                                                                                                                                                                                                                     |             |               |              |
| Wavelength              |           | 850nm                                                                                                                                                                                                                                          |             |               |              |
| IR On/Off Control       |           | Auto/Manual                                                                                                                                                                                                                                    |             |               |              |
| Defog                   |           | Digital Defog                                                                                                                                                                                                                                  |             |               |              |
| WDR                     |           | 120dB                                                                                                                                                                                                                                          |             |               |              |
| VIDEO                   |           |                                                                                                                                                                                                                                                |             |               |              |
| Video Compression       |           | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                                                 |             |               |              |
| H.264 code profile      |           | Baseline profile, Main profile, High profile                                                                                                                                                                                                   |             |               |              |
| Frame Rate              |           | Main Stream: 4MP (2688*1520), Max 25fps;4MP (2560*1440), Max 25fps; 3MP (2304*1296), Max 30fps; 1080P (1920*1080), Max 30fps; 720P(1280*720), Max 30fps;<br>Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360,Max 30fps |             |               |              |
| Video Bit Rate          |           | 128 Kbps~6 Mbps                                                                                                                                                                                                                                |             |               |              |
| U-code                  |           | Supported                                                                                                                                                                                                                                      |             |               |              |
| OSD                     |           | Up to 4 OSDs                                                                                                                                                                                                                                   |             |               |              |
| PRIVACY MASK            |           | Up to 4 areas                                                                                                                                                                                                                                  |             |               |              |
| ROI                     |           | Up to 8 areas                                                                                                                                                                                                                                  |             |               |              |
| Video stream            |           | Dual streams                                                                                                                                                                                                                                   |             |               |              |
| IMAGE                   |           |                                                                                                                                                                                                                                                |             |               |              |
| White Balance           |           | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2                                                                                                                                                                                                |             |               |              |
| Digital Noise Reduction |           | 2D/3D DNR                                                                                                                                                                                                                                      |             |               |              |
| Smart IR                |           | Supported                                                                                                                                                                                                                                      |             |               |              |
| Flip                    |           | Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise                                                                                                                                                                                 |             |               |              |
| Dewarping               |           | NA                                                                                                                                                                                                                                             |             |               |              |
| HLC                     |           | Supported                                                                                                                                                                                                                                      |             |               |              |
| BLC                     |           | Supported                                                                                                                                                                                                                                      |             |               |              |

# VBIP-4BZ-PRO-U

4MP HD IR Motorized Network Bullet Camera



| Events                        |                                                                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Basic Detection</b>        | Cross line, intrusion(based on human body detection), motion detection, Ultra motion detection, tampering alarm,audio detection                                                                                       |
| <b>General Function</b>       | Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication, HTTP authentication                                                                                         |
| Audio                         |                                                                                                                                                                                                                       |
| <b>Audio Compression</b>      | G.711U, G.711A                                                                                                                                                                                                        |
| <b>Audio Bitrate</b>          | 64 Kbps                                                                                                                                                                                                               |
| <b>Two-way Audio</b>          | N/A                                                                                                                                                                                                                   |
| <b>Suppression</b>            | Supported                                                                                                                                                                                                             |
| <b>Sampling Rate</b>          | 8KHZ                                                                                                                                                                                                                  |
| Storage                       |                                                                                                                                                                                                                       |
| <b>Edge Storage</b>           | Micro SD, up to 256 GB                                                                                                                                                                                                |
| <b>Network Storage</b>        | ANR,NAS(NFS)                                                                                                                                                                                                          |
| NETWORK                       |                                                                                                                                                                                                                       |
| <b>Protocols</b>              | IPv4, IPv6 ,IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SNMP, QoS, RTMP,SSL/TLS                                                                                   |
| <b>Compatible Integration</b> | ONVIF (Profile S, Profile G, Profile T), API , SDK                                                                                                                                                                    |
| <b>User/Host</b>              | Up to 32 users. 2 user levels: administrator and common user                                                                                                                                                          |
| <b>Client</b>                 | Guard Station, 2M Station                                                                                                                                                                                             |
| <b>Web Browser</b>            | Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above Web Browser<br><br>Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above |
| INTERFACE                     |                                                                                                                                                                                                                       |
| <b>Network</b>                | 1 * RJ45 10M/100M Base-TX Ethernet                                                                                                                                                                                    |
| CERTIFICATIONS                |                                                                                                                                                                                                                       |
| <b>EMC</b>                    | CE-EMC (EN 55032,EN 61000-3-3,EN IEC 61000-3-2,EN 55035) FCC (FCC 47 CFR part15 B)                                                                                                                                    |
| <b>Safety</b>                 | CE LVD (EN 62368-1) CB (IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)                                                                                                                                   |
| <b>Environment</b>            | CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)                                                                                                                                                                  |
| GENERAL                       |                                                                                                                                                                                                                       |
| <b>Power</b>                  | DC12V±25%, PoE (IEEE802.3 af)<br>Power consumption: Max 9.6w                                                                                                                                                          |
| <b>Dimensions (Ø x H)</b>     | 206 × 73 × 73mm (8.1" × 2.9" × 2.9")                                                                                                                                                                                  |
| <b>Weight</b>                 | 0.51kg (1.12lb)                                                                                                                                                                                                       |
| <b>Working Environment</b>    | -30°C ~ +60°C (-22°F ~ 140°F),<br>Humidity: ≤95% RH (non-condensing)                                                                                                                                                  |
| <b>Storage Environment</b>    | -30°C ~ +60°C (-22°F ~ 140°F),<br>Humidity: ≤95% RH (non-condensing)                                                                                                                                                  |
| <b>Surge Protection</b>       | 6KV                                                                                                                                                                                                                   |
| <b>Ingress Protection</b>     | IP67                                                                                                                                                                                                                  |
| <b>Reset Button</b>           | Supported                                                                                                                                                                                                             |

## Dimensions

