

Network BOX

# XNZ-L6320A

2MP H.265 32x Zoom Camera

## Key Features

- Maximum 2MP (1920 x 1080) resolution
- 4.44 ~ 142.6mm Optical 32x zoom, Digital 32x zoom
- Maximum 60fps@all resolutions (H.265 / H.264)
- H.265, H.264, MJPEG Codec, Multiple streaming
- Day & Night (ICR), WDR (120dB), Defog
- Video & Audio Analytics
- PoE, 12VDC, Micro SD/SDHC/SDXC 1slot 256GB

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# XNZ-L6320A

2MP H.265 32x Zoom Camera





## Specifications

### Video

| | | |
|---|---|---|
| **Imaging Device** | Size | 1/2.8" |
| | Type | CMOS |
| **Resolution** | | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| **Max. Framerate** | H.265/H.264 | 60fps/50fps(60Hz/50Hz) |
| | MJPEG | 30fps |
| **Min. Illumination (Lux)** | Color(1/30sec, 30IRE) | 0.05 |
| | BW(1/30sec, 30IRE) | 0.005 |
| **Video Out** | | CVBS: 1.0 Vp-p / 75Ω composite for installation |

### Lens

| | | |
|---|---|---|
| **Focal Length (mm)** | | 4.44~142.6 |
| **Zoom Ratio** | Optical | 32x |
| | Digital | 32x |
| **Max Aperture Ratio (F number)** | Wide | 1.6 |
| | Tele | 4.4 |
| **Angular Field of View** | Horizontal | 64.66°~2.29° |
| | Vertical | 38.08°~1.30° |
| **Min. Object Distance** | | 1.5m(4.92ft) |
| **Focus Control** | | Auto, Oneshot AF |
| **Lens Type** | | DC auto iris |

### Operational

| | |
|---|---|
| **Direction Indicator** | Support |
| **Day & Night** | Auto(ICR) |
| **Backlight Compensation** | BLC, HLC, WDR, SSDR |
| **Wide Dynamic Range (dB)** | 120 |
| **Digital Noise Reduction** | SSNR V |
| **Digital Image Stabilization** | Support |
| **Defog** | Support |

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## Operational

| | | |
|---|---|---|
| **Motion Detection** | Quantity | 8ea |
| | Shape | 8point Polygonal zones |
| **Privacy Masking** | Quantity | 32ea |
| | Shape | Rectangular zones |
| | Color / Option | Gray, Green, Red, Blue, Black, White, Mosaic |
| **Gain Control** | | Low, Middle, High, Off |
| **White Balance** | | ATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium |
| **Electronic Shutter** | Mode | Minimum, Maximum, Anti flicker |
| | Speed Range | 2~1/12,000sec |
| **Video Rotation** | | Flip, Mirror |
| **Serial Interface** | | RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) |
| **Alarm Interface** | In/Out | Input 1ea, Output 1ea |
| **Alarm Triggers** | | Analytics, Network disconnect, Alarm input |
| **Alarm Events When Alarm Trigger Occurred** | | File upload(image): e-mail/FTP,<br>Notification: e-mail,<br>Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output,<br>Handover: PTZ preset |
| **Audio In** | | Selectable(mic in/line in) |
| **Audio Out** | | Line out |

## Analytics

| | | |
|---|---|---|
| **Analytics Events** | Normal | Defocus detection, Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear) |

## Network

| | | |
|---|---|---|
| **Ethernet** | | Metal shielded RJ-45(10/100BASE-T) |
| **Video Compression** | | H.265: Main,<br>H.264: Main/Baseline/High,MJPEG |
| **Audio Compression** | | G.711 u-law /G.726 selectable,G.726(ADPCM) 8kHz,G.711 8kHz,<br>G.726: 16kbps,24kbps,32kbps,40kbps,<br>AAC-LC: 48kbps at 16kHz |
| **Smart Codec** | | Manual, WiseStream II |
| **Bitrate Control** | | H.265/H.264: CBR or VBR,<br>MJPEG: VBR |
| **Streaming** | Unicast | Up to 20 users |
| | Multicast | Support |
| | Multiple Streaming | Up to 10 profiles |
| **Protocol** | | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), PIM-SM |

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## Network

| | | |
|---|---|---|
| **Application Programming Interface** | ONVIF | S, G, T |
| | Others | SUNAPI(HTTP API), Hanwha Vision Open Platform |
| **Direct Cloud Connection** | | Optional (needs gateway) |

## Security

| | |
|---|---|
| **OS / Firmware Protect** | Encrypted firmware |
| **User authentication** | Digest authentication |
| **Network authentication** | IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) |
| **Secure Communication** | HTTPS, WSS(WebSocket Secure), SRTP |
| **Access Control** | IP-based access control |
| **Data Protect** | Encryption credentials |
| **Audit** | Access / System / Event Log management |
| **Device ID** | Device certificate(Hanwha Vision Root CA) |

## General

| | | |
|---|---|---|
| **Memory** | RAM | 1GB |
| | Flash | 256MB |
| **Edge Storage** | Micro SD/SDHC/SDXC | Max. 256GB x 1slot |

## Environmental & Electrical

| | | |
|---|---|---|
| **Operating Condition** | Temperature | -10°C~+55°C(+14°F~+131°F) |
| | Humidity | 0~90% RH(non-condensing) |
| **Storage Condition** | Temperature | -50°C~+60°C(-58°F~+140°F) |
| | Humidity | 0~90% RH(non-condensing) |
| **Input Voltage** | | PoE(IEEE802.3af, Class3), 12VDC |
| **Power Consumption** | PoE | Max. 7.5W, typical 5.0W |
| | 12VDC | Max. 5.7W, typical 3.7W |

## Mechanical

| | |
|---|---|
| **Color** | Black |
| **Material** | Metal |
| **RAL Code** | RAL9005 |
| **Product Dimensions** | 72(W)x63.9(H)x135.4(D)mm(2.83x2.52x5.33") |
| **Product Weight** | 480g(1.06lb) |

## DORI (EN62676-4 standard)

| | | |
|---|---|---|
| **Detect (25PPM/ 8PPF)** | Wide | 60.7m(199.1ft) |
| | Tele | 1921.3m(6303.4ft) |

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## DORI (EN62676-4 standard)

| | | |
|---|---|---|
| **Observe (63PPM/ 19PPF)** | Wide | 24.3m(79.6ft) |
| | Tele | 768.5m(2521.4ft) |
| **Recognize (125PPM/ 38PPF)** | Wide | 12.1m(39.8ft) |
| | Tele | 384.3m(1260.7ft) |
| **Identify (250PPM/ 76PPF)** | Wide | 6.1m(19.9ft) |
| | Tele | 192.1m(630.3ft) |

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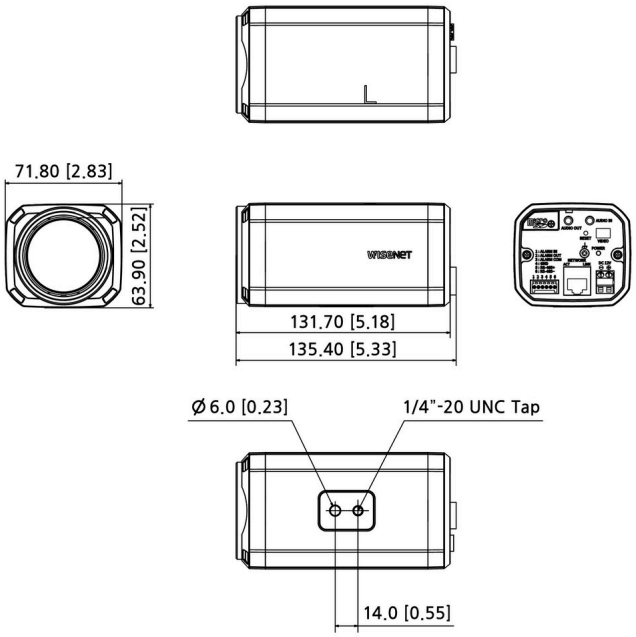




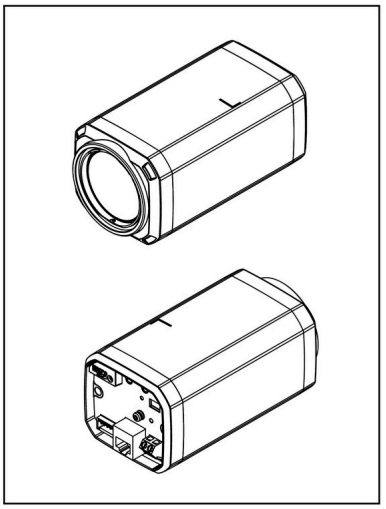
## CAD

**Unit:** mm [inch]

XNZ-L6320A 2MP 32x Zoom Camera




Reference image



| | |
|---|---|
| Revision | V1.1 |
| Revision Date | 24/09/13 |
| Paper Size | A1 |
| Unit | mm [inch] |
| Scale | 1 : 1 |

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