



Network

BOX

# XNZ-6320A

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 2 slot 512GB

## XNZ-6320A

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,<br>USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle. |

| 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             |

## Operational

|                                          |                |                                                                                                                                                              |
|------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Defog                                    |                | Support                                                                                                                                                      |
| 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 2ea                                                                                                                                        |
| 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, Shock detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction) |
|------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Network

|                   |                    |                                                                                                                                                                                                                      |
|-------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet          |                    | Metal shielded RJ-45(10/100BASE-T), SFP                                                                                                                                                                              |
| Video Compression |                    | H.265/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 |

## 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. 512GB x 2slot(Total 1TB) |

## 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 4.5W         |
|                     | 12VDC       | Max. 7.0W, typical 4.0W         |

## Mechanical

|                    |                                         |  |
|--------------------|-----------------------------------------|--|
| Color              | Dark grey                               |  |
| Material           | Aluminum                                |  |
| Product Dimensions | 96(W)x76(H)x143.5(D)mm(3.78x2.99x5.65") |  |
| Product Weight     | 578g(1.27lb)                            |  |

## DORI (EN62676-4 standard)

|                        |      |                   |
|------------------------|------|-------------------|
| Detect (25PPM/ 8PPF)   | Wide | 60.7m(199.1ft)    |
|                        | Tele | 1921.3m(6303.4ft) |
| Observe (63PPM/ 19PPF) | Wide | 24.3m(79.6ft)     |
|                        | Tele | 768.5m(2521.4ft)  |

**DORI (EN62676-4 standard)**

|                              |      |                  |
|------------------------------|------|------------------|
| Recognize (125PPM/<br>38PPF) | Wide | 12.1m(39.8ft)    |
|                              | Tele | 384.3m(1260.7ft) |
| Identify (250PPM/<br>76PPF)  | Wide | 6.1m(19.9ft)     |
|                              | Tele | 192.1m(630.3ft)  |

XNZ-6320A

2MP H.265 32x Zoom Camera

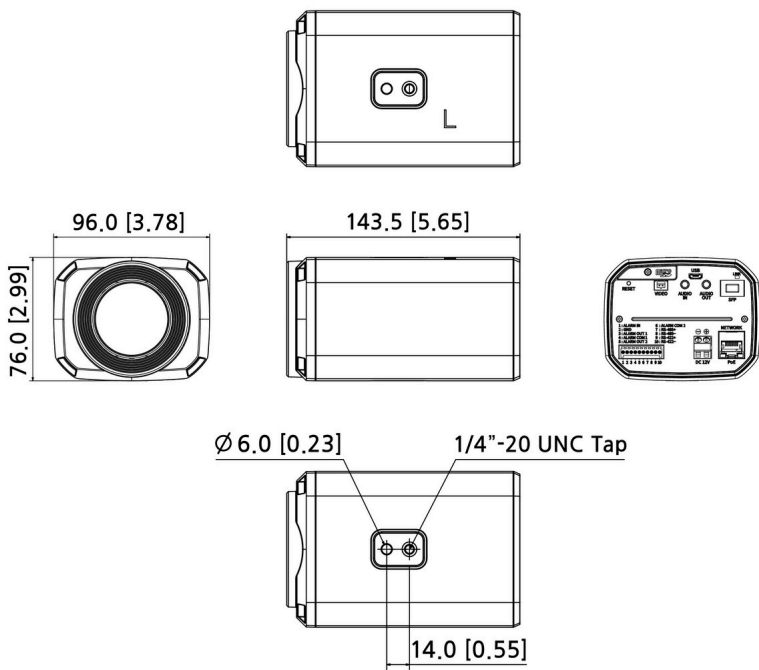
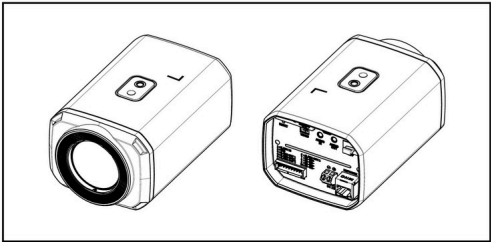


CAD

Unit: mm [inch]

XNZ-6320A 2MP H.265 32x Zoom Camera

Reference image



© Hanwha Vision Co., Ltd. All right reserved.

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