

## KIT/NVR301-04LS3-W/4\*2122LB-ABF40WK-G

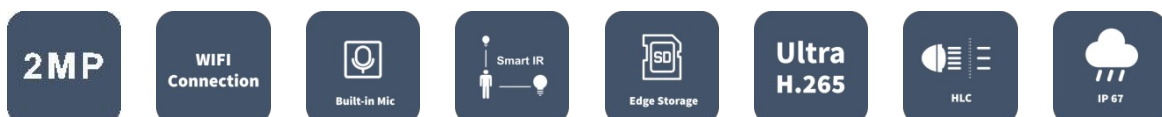


### Key Features

#### NVR301-04LS3-W

- Embedded WiFi Module with high-performance and high stability
- Support CCMP encryption and WPA2-PSK authentication, Support IP cameras with WiFi in access
- Support Ultra 265/H.265/H.264 video formats
- 4-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T ) and RTSP protocols
- Support 1-ch HDMI, 1-ch VGA
- HDMI and VGA synchronous outputs provided
- Up to 1080P resolution recording
- 1 SATA HDD, Up to 6TB for each HDD
- Support cloud upgrade

#### IPC2122LB-AF40WK-G



- High quality image with 2MP, 1/2.9"CMOS sensor

- 2MP (1920\*1080)@30/25fps; 720P (1280\*720)@30/25fps
- Ultra 265, H.265, H.264, MJPEG
- Built-in Mic
- Smart IR, up to 30m (98ft) IR distance
- Supports 128 G Micro SD card
- IP67 protection
- 3-Axis

## Specifications

| Model                | NVR301-04LS2-W                                                                                                                                                                                                                |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video/Audio Input    |                                                                                                                                                                                                                               |
| IP Video Input       | 4-ch                                                                                                                                                                                                                          |
| Network              |                                                                                                                                                                                                                               |
| Incoming Bandwidth   | 40Mbps                                                                                                                                                                                                                        |
| Outgoing Bandwidth   | 40Mbps                                                                                                                                                                                                                        |
| Remote Users         | 128                                                                                                                                                                                                                           |
| Protocols            | TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS                                                                                                                                                                   |
| Video/Audio Output   |                                                                                                                                                                                                                               |
| HDMI/VGA Output      | HDMI:<br>1920x1080p /60Hz, 1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz, 1280x720 /60Hz, 1024x768 /60Hz<br>VGA:<br>1920x1080p /60Hz, 1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz, 1280x720 /60Hz, 1024x768 /60Hz |
| Recording Resolution | 1080P/960P/720P/D1/2CIF/CIF                                                                                                                                                                                                   |
| Audio Output         | 1-ch, RCA                                                                                                                                                                                                                     |
| Audio Compression    | G.711A, G.711U                                                                                                                                                                                                                |
| Synchronous Playback | 4-ch                                                                                                                                                                                                                          |
| Live View Display    | 1/4                                                                                                                                                                                                                           |
| Corridor Mode Screen | 3/4                                                                                                                                                                                                                           |
| Snapshot             |                                                                                                                                                                                                                               |
| Event Snapshot       | 1-ch snapshot, up to D1 resolution                                                                                                                                                                                            |
| Decoding             |                                                                                                                                                                                                                               |
| Decoding format      | Ultra 265/H.265/H.264                                                                                                                                                                                                         |
| Live view/ Playback  | 1080P/960P/720P/D1/2CIF/CIF                                                                                                                                                                                                   |
| Capability           | 4 x 1080P@30                                                                                                                                                                                                                  |
| Hard Disk            |                                                                                                                                                                                                                               |
| SATA                 | 1 SATA interface                                                                                                                                                                                                              |
| Capacity             | Up to 6TB for each HDD                                                                                                                                                                                                        |
| General Alarm        |                                                                                                                                                                                                                               |
| General Alarm        | Motion, Tampering, Human Body Detection, Video Loss, Alarm Input                                                                                                                                                              |

|                        |                                                                                                                                                   |           |            |              |             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------------|-------------|
| Alert Alarm            | IP Conflict, Network Disconnected, Disk Offline , Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal |           |            |              |             |
| External Interface     |                                                                                                                                                   |           |            |              |             |
| Network Interface      | 1 RJ45 10M/100M self-adaptive Ethernet Interface                                                                                                  |           |            |              |             |
| USB Interface          | Rear panel: 2 x USB2.0                                                                                                                            |           |            |              |             |
| RS232                  | NA                                                                                                                                                |           |            |              |             |
| RS485                  | NA                                                                                                                                                |           |            |              |             |
| Alarm In               | NA                                                                                                                                                |           |            |              |             |
| Alarm Out              | NA                                                                                                                                                |           |            |              |             |
| Wi-Fi                  |                                                                                                                                                   |           |            |              |             |
| Frequency              | 2.4GHz                                                                                                                                            |           |            |              |             |
| Transmission Rate      | 150Mbps                                                                                                                                           |           |            |              |             |
| Wireless Standards     | IEEE 802.11b/g/n                                                                                                                                  |           |            |              |             |
| General                |                                                                                                                                                   |           |            |              |             |
| Power Supply           | 12V DC<br>Power Consumption: ≤ 9 W( without HDD )                                                                                                 |           |            |              |             |
| Working Environment    | -10°C ~ + 55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing)                                                                              |           |            |              |             |
| Dimensions(W×D×H)      | 205mm × 205mm × 47mm (8.1" ×8.1"×1.7")                                                                                                            |           |            |              |             |
| Weight ( without HDD ) | ≤0.58Kg(1.28lb)                                                                                                                                   |           |            |              |             |
| Certification          |                                                                                                                                                   |           |            |              |             |
| Certification          | UL<br>CE<br>FCC<br>RoHS<br>WEEE                                                                                                                   |           |            |              |             |
| Model                  | IPC2122LB-AF40WK-G                                                                                                                                |           |            |              |             |
| Camera                 |                                                                                                                                                   |           |            |              |             |
| Sensor                 | 1/2.9", 2.0 megapixel, progressive scan, CMOS                                                                                                     |           |            |              |             |
| Minimum Illumination   | Colour: 0.01 Lux (F2.0 AGC ON)<br>0 Lux with IR on                                                                                                |           |            |              |             |
| Day/Night              | IR-cut filter with auto switch (ICR)                                                                                                              |           |            |              |             |
| Shutter                | Auto/Manual, 1~1/100000 s                                                                                                                         |           |            |              |             |
| Adjustment Angle       | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°                                                                                              |           |            |              |             |
| S/N                    | >52dB                                                                                                                                             |           |            |              |             |
| WDR                    | DWDR                                                                                                                                              |           |            |              |             |
| Lens                   |                                                                                                                                                   |           |            |              |             |
| Lens Type              | 2.8mm and 4.0mm @2.0, Fixed-focal                                                                                                                 |           |            |              |             |
| Lens Mount             | M12                                                                                                                                               |           |            |              |             |
| Angle of view(H)       | 83.7°                                                                                                                                             |           |            |              |             |
| Angle of View (V)      | 44.6°                                                                                                                                             |           |            |              |             |
| Angle of View (O)      | 89.1°                                                                                                                                             |           |            |              |             |
| DORI                   |                                                                                                                                                   |           |            |              |             |
| DORI Distance          | Lens                                                                                                                                              | Detect(m) | Observe(m) | Recognize(m) | Identify(m) |
|                        | 4.0mm                                                                                                                                             | 64.3      | 25.7       | 12.9         | 6.4         |

## Illuminator

|                   |                            |
|-------------------|----------------------------|
| IR Range          | Up to 30m (98 ft) IR range |
| Wavelength        | 850nm                      |
| IR On/Off Control | Auto/Manual                |

## Video

|                    |                                                                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression  | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                   |
| H.264 code profile | Baseline profile, Main profile, High profile                                                                                                                                                                     |
| Frame Rate         | Main Stream: 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; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; |
| Video Bit Rate     | 128 Kbps~6 Mbps                                                                                                                                                                                                  |
| OSD                | Up to 4 OSDs                                                                                                                                                                                                     |
| Privacy Mask       | Up to 4 areas                                                                                                                                                                                                    |
| ROI                | Up to 8 areas                                                                                                                                                                                                    |
| Motion Detection   | Up to 4 areas                                                                                                                                                                                                    |

## Image

|                         |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|
| White Balance           | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2                                             |
| Image Setting           | Image rotation, brightness, saturation, contrast, sharpness, gain adjustable by web browser |
| Digital noise reduction | 2D/3D DNR                                                                                   |
| Smart IR                | Supported                                                                                   |
| Flip                    | Normal/Vertical/Horizontal/180°                                                             |
| Dewarping               | N/A                                                                                         |
| HLC                     | Supported                                                                                   |
| BLC                     | Supported                                                                                   |
| Defog                   | Digital Defog                                                                               |

## Events

|                  |                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------|
| Basic Detection  | Human body detection, Motion detection, tampering alarm, audio detection                                 |
| General Function | Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication |

## Audio

|                   |           |
|-------------------|-----------|
| Audio Compression | G.711     |
| Suppression       | Supported |
| Sampling Rate     | 8KHZ      |

## Storage

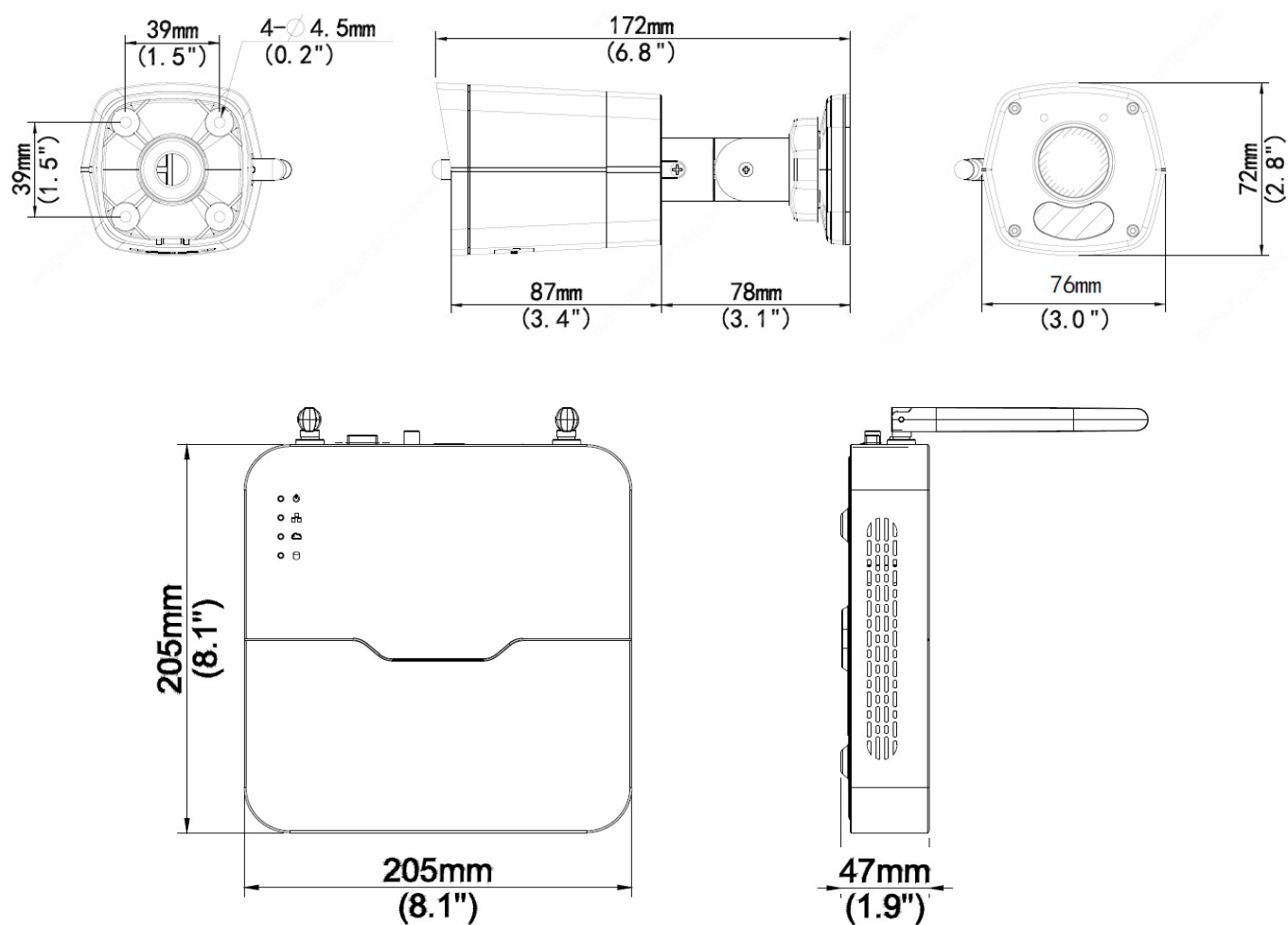
|                 |                       |
|-----------------|-----------------------|
| Edge Storage    | Micro SD, up to 128GB |
| Network Storage | ANR,NAS(NFS)          |

## Network

|                        |                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols              | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, SNMP                                                                                  |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API , SDK                                                                                                                                                         |
| Security               | Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF |
| Client                 | EZStation<br>EZView<br>EZLive                                                                                                                                                                              |

|                        |                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------|
| Web Browser            | Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below                                  |
|                        | Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+                                                |
| Wi-Fi                  |                                                                                                              |
| Wireless Standards     | IEEE802.11b/g/n                                                                                              |
| Frequency Range        | 2.4 GHz ~ 2.4835 GHz                                                                                         |
| Channel Bandwidth      | 20 MHz Support                                                                                               |
| Modulation Mode        | 802.11b: CCK, QPSK, BPSK<br>802.11g/n: OFDM/HT                                                               |
| Security               | 64/128-bit WEP, WPA-PSK/WPA2-PSK                                                                             |
| Transmit Power         | 802.11b: 17±1.5dBm @11Mbps<br>802.11g: 14±1.5dBm @ 54Mbps<br>802.11n: 12.5±1.5dBm @150Mbps                   |
| Receive Sensitivity    | 802.11b: -90dBm @11Mbps (Typical)<br>802.11g: -75dBm @54Mbps (Typical)<br>802.11n: -74dBm @150Mbps (Typical) |
| Transmission Rate      | 802.11b: 11Mbps<br>802.11g: 54Mbps<br>802.11n: up to 150Mbps                                                 |
| Interface              |                                                                                                              |
| Network                | 1 * RJ45 10M/100M Base-TX Ethernet                                                                           |
| Built-in Mic           | Supported                                                                                                    |
| Certification          |                                                                                                              |
| EMC                    | FCC: FCC Part 15                                                                                             |
| Safety                 | CE: EN 60950-1<br>UL: UL60950-1<br>IEC 60950-1                                                               |
| General                |                                                                                                              |
| Power                  | DC 12V±25%                                                                                                   |
|                        | Power consumption: Max 4.0 W                                                                                 |
| Power Interface        | Ø 5.5mm coaxial power plug                                                                                   |
| Dimensions (L × W × H) | 172 × 76 × 72 mm (6.8" × 3" × 2.8")                                                                          |
| Weight                 | 0.25 kg (0.55 lb)                                                                                            |
| Material               | Metal + Plastic                                                                                              |
| Working Environment    | -30°C ~ +60°C (-22°F ~ 140°F), Humidity: ≤95% RH(non-condensing)                                             |
| Storage Environment    | -30°C ~ +60°C (-22°F ~ 140°F), Humidity: ≤95% RH(non-condensing)                                             |
| Surge Protection       | 4KV                                                                                                          |
| Reset Button           | Supported                                                                                                    |
| Ingress Protection     | Ingress protection: IP67                                                                                     |

## Dimensions



## Rear Panel

