**EK-S31P4B44T1-V2**



### Key Features

**NVR301-04S3-P4**

* Support Ultra 265/H.265/H.264 video formats
* 4-channel input
* Plug & Play with 4 independent PoE network interfaces
* Third-party IP cameras supported with ONVIF conformance: Profile S, Profile G, Profile T
* Support 1-ch HDMI, 1-ch VGA
* HDMI and VGA simultaneous output
* Up to 8MP resolution recording
* 1 SATA HDD
* Support cloud upgrade

**EC-B4F28M**

* Day/night functionality
* Smart IR, up to 30 m (98 ft) IR distance
* 2D/3D DNR (Digital Noise Reduction)
* Ultra 265, H.265, H.264, MJPEG
* ROI (Region of Interest)
* ONVIF Conformance
* Wide temperature range: -30°C ~ +60°C (-22°F ~ 140°F)
* Wide voltage range of ±25%
* IP67

## Specifications

|  |  |
| --- | --- |
| **Model** | **NVR301-04S3-P4** |
| Video/Audio Input |
| IP Video Input | 4-ch |
| Network |
| Incoming Bandwidth | 64Mbps |
| Outgoing Bandwidth | 48Mbps |
| Remote Users | 128 |
| Protocols | TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SMTP, RTSP |
| Video/Audio Output |
| HDMI/VGA Output | HDMI:4K(3840x2160)/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60HzVGA:1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz |
| Recording Resolution | 4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF |
| Audio Output | 1-ch, RCA |
| Audio Compression | G.711A, G.711U |
| Synchronous Playback | 4-ch |
| Corridor Mode Screen | 3/4 |
| Decoding |
| Decoding format | Ultra 265/H.265/H.264 |
| Liveview/Playback | 4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF |
| Capability | 1 x 4K@30, 4 x 5MP@25, 4 x 4MP@25, 4 x 3MP@25, 4 x 1080p@30 |
| Hard Disk |
| SATA | 1 SATA interface |
| Capacity | up to 8TB for each disk |
| Smart |
| VCA Detection by Camera | Face detection, Intrusion detection, Cross line detection, Audio detection, Enter Area, Leave Area |
| VCA Search | Face Search, Behavior Search |
| External Interface |
| Network Interface | 1 RJ45 10M/100M self-adaptive Ethernet Interface |
| USB Interface | Rear panel：2 x USB2.0 |
| PoE |
| Interface | 4 RJ-45 10M/100Mself-adaptive Ethernet Interface |
| Max Power | Max 30W for single portMax 54W in total |
| Supported Standard | IEEE 802.3at, IEEE 802.3af |
| General |
| Power Supply | 48V DCPower Consumption: ≤9 W (without HDD) |
| Working Environment | -10°C ~ + 55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing) |
| Dimensions(W×D×H) | 260mm ×240mm × 46 mm (10.2" × 9.4" ×1.8") |
| Weight ( without HDD ) | ≤1.1kg (2.43lb) |
| **Model** | **EC-B4F28M** |
| Camera |
| Sensor | 1/3", 4.0 megapixel, progressive scan, CMOS |
| Minimum Illumination | Colour: 0.01Lux (F2.0, AGC ON)0Lux with IR on |
| Day/Night | IR-cut filter with auto switch (ICR) |
| Shutter | Auto/Manual, 1 ~ 1/100000s |
| Adjustment angle  | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360° |
| S/N | >56dB |
| WDR | DWDR |
| Lens |
| Lens Type | 2.8mm @2.0, Fixed-focal |
| Lens Mount | M12 |
| Angle of View (H) | 97.0° |
| Angle of View (V) | 52.2° |
| Angle of View (O) | 107.5° |
| DORI |
| DORI Distance | Lens (mm) | Detect (m) | Observe (m) | Recognize (m) | Identify (m) |
| 2.8 | 63.0 | 25.2 | 12.6 | 6.3 |
| Illuminator |
| IR Range | Up to 30m (98ft) 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: 4MP (2560\*1440), Max 25fps; 3MP (2304\*1296), Max 30fps; 1080P (1920\*1080), Max 30fps; 720P (1280\*720), Max 30fpsSub Stream: D1 (720\*576), Max 30fps; 640\*360,Max 30fps; 2CIF(704\*288), Max 30fps; CIF(352\*288), Max 30fps; |
| Video Bit Rate | 128 Kbps~6144 kbps |
| U-code | Supported |
| 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 | NA |
| HLC | Supported |
| BLC | Supported |
| Defog | Digital Defog |
| Events |
| Behavior Detection | Cross line, intrusion(based on human body detection) |
| Motion detection, tampering alarm |
| General Function | Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication |
| 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, QoS, SSL/TLS, SNMP |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API , SDK |
| User/Host | Up to 32 users. 2 user levels: administrator and common user |
| 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 EZViewEZLive |
| 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+ |
| Interface |
| Network | 1 \* RJ45 10M/100M Base-TX Ethernet |
| Certification |
| EMC | FCC: FCC Part 15 |
| Safety | CE: EN 60950-1UL: UL60950-1IEC 60950-1 |
| General |
| Power | DC 12V±25%, PoE (IEEE 802.3af) |
| Power consumption: Max 5.5W |
| Power Interface  | Ø 5.5mm coaxial power plug |
| Material | Metal |
| 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 | N/A |
| Ingress Protection | Ingression protection: IP67 |

## Dimensions





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* Product specifications and availability are subject to change without notice.