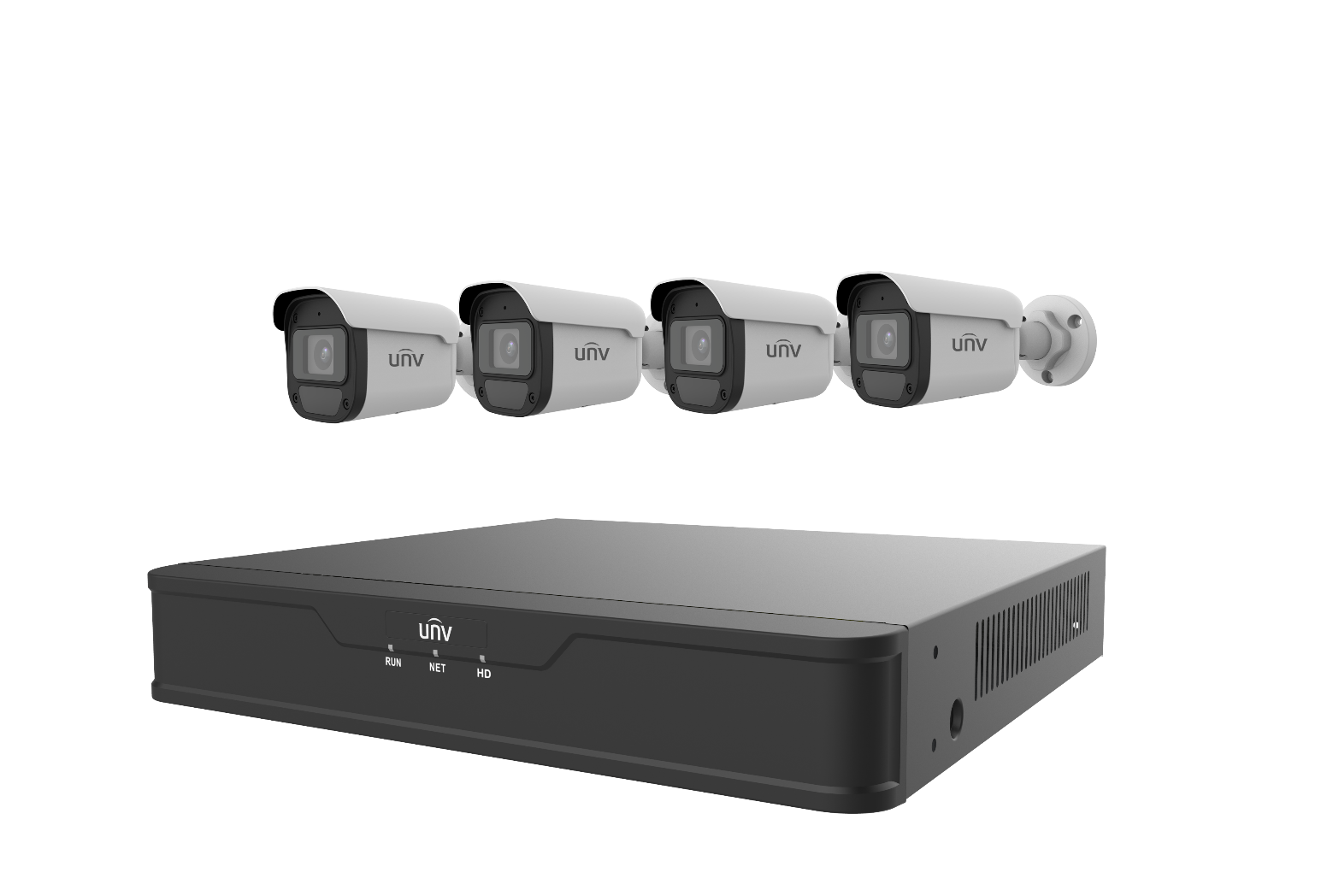
**EK-S31P4B44T1-V2**



### 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

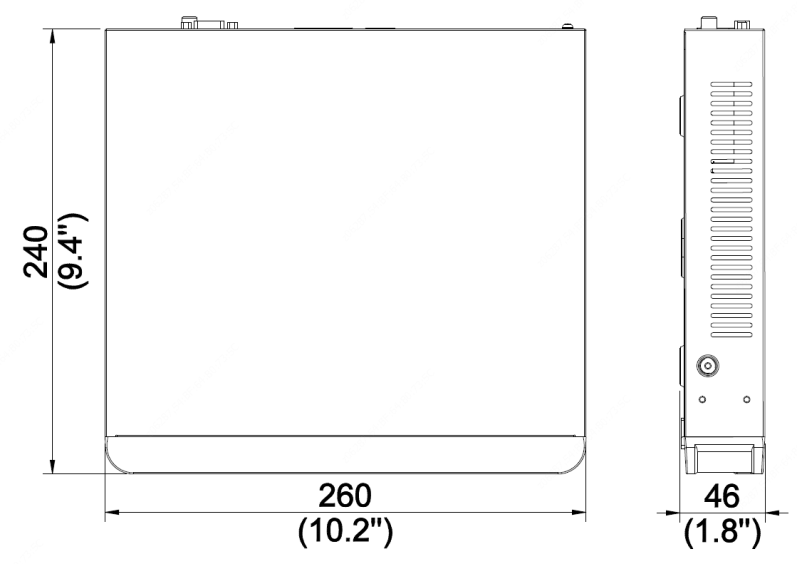
**EC-B4F28M**

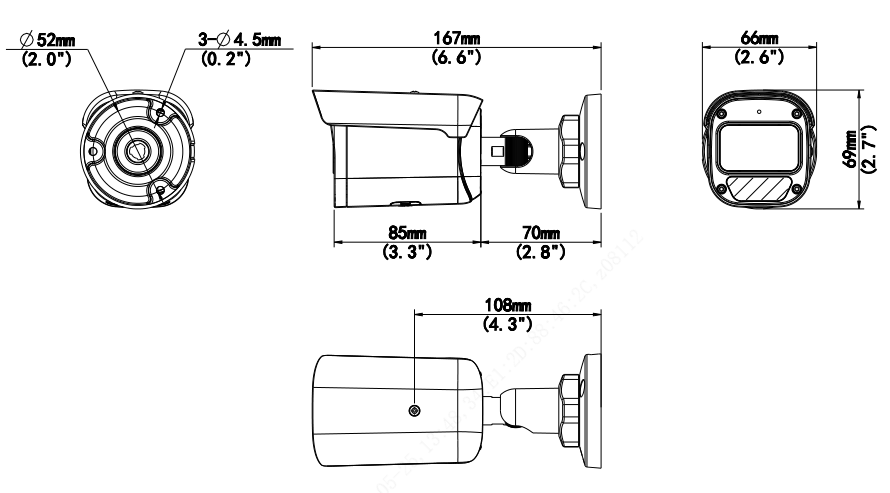
* Day/night functionality
* Smart IR, up to 30 m (98 ft) IR distance
* 2D/3D DNR (Digital Noise Reduction)
* Ultra 265, H.265, H.264, MJPEG
* ROI (Region of Interest)
* ONVIF Conformance
* Wide temperature range: -30°C ~ +60°C (-22°F ~ 140°F)
* Wide voltage range of ±25%
* IP67

## 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, 1024x768/60Hz  VGA:  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 port  Max 54W in total | | | | |
| Supported Standard | IEEE 802.3at, IEEE 802.3af | | | | |
| General | | | | | |
| Power Supply | 48V DC  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) | 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 30fps  Sub 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  EZView  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+ | | | | |
| Interface | | | | | |
| Network | 1 \* RJ45 10M/100M Base-TX Ethernet | | | | |
| Certification | | | | | |
| EMC | FCC: FCC Part 15 | | | | |
| Safety | CE: EN 60950-1  UL: UL60950-1  IEC 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.