EK-S31P8B46T2-V3

Key Features

NVR301-08S3-P8

- Support Ultra 265/H.265/H.264 video formats

- 8-channel input

- Plug & Play with 8 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-V3

- 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	NVR301-08S3-P8
Video/Audio Input	
IP Video Input	8-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	8-ch
Liveview display	1/4/6/8/9
Corridor Mode Screen	3/4/5/7/9
Snapshot	
FTP/Schedule/Event Snapshot	1-ch snapshot, up to D1 resolution
Decoding	
Decoding format	Ultra 265/H.265/H.264
Live view/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, 8 x 720p@30
Hard Disk	
SATA	1 SATA interfaces
Capacity	Up to 8TB for each disk (The maximum HDD capacity varies with environment temperature)
Smart	
VCA Detection by Camera	Face Detection, Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Audio Detection, Ultra Motion Detection(UMD)
VCA Search	Face Search, Behavior Search
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 RJ-45 10M/100Mself-adaptive Ethernet Interface
USB Interface	Rear panel: 2 x USB2.0

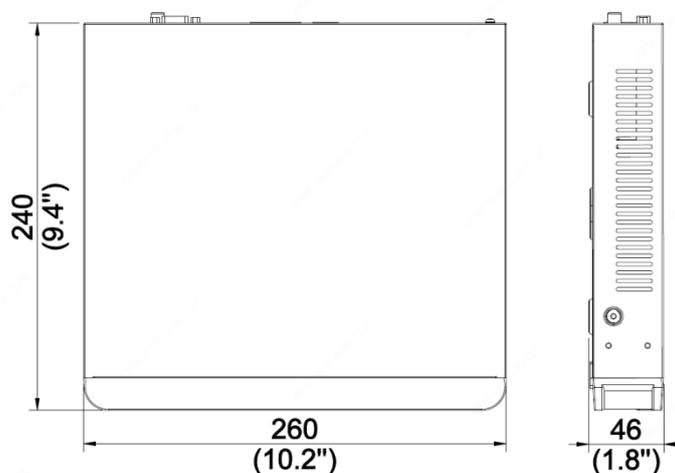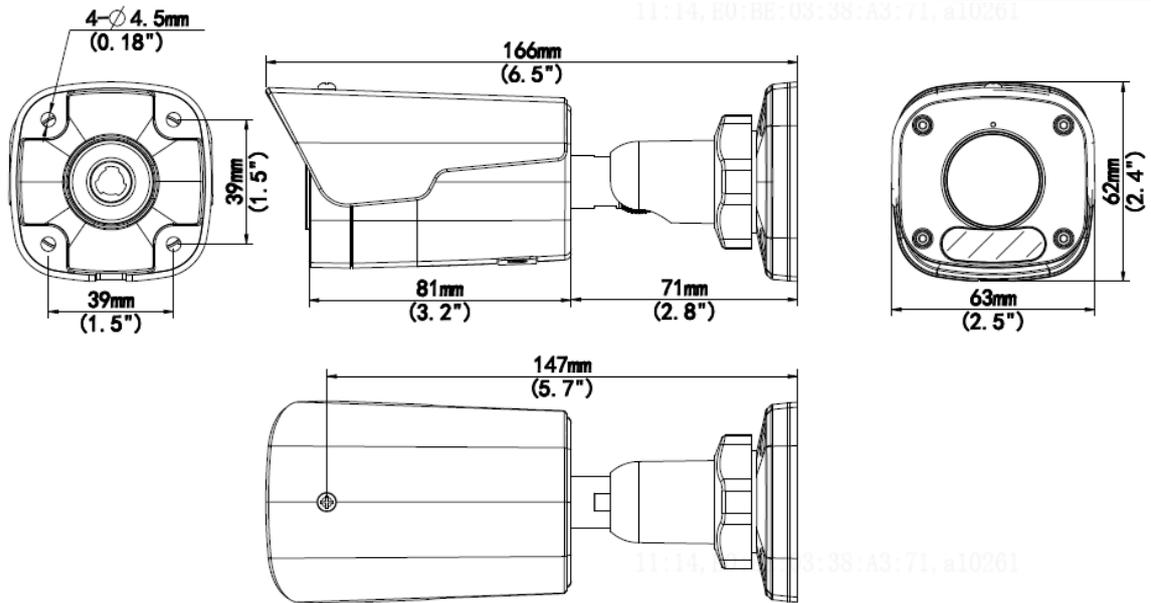| RS232	NA
RS485	NA
Alarm In	NA
Alarm Out	NA
PoE	
Interface	8 RJ-45 10M/100Mself-adaptive Ethernet Interface
Max Power	Max 30W for single port Max 75W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af
General	
Power Supply	52V DC Power Consumption: ≤9 W (without HDD)
Working Environment	-10°C~+ 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)
Certification	
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032: 2015, EN 61000-3-3: 2013, EN IEC 61000-3-2: 2019, EN 55035: 2017
FCC	Part15 Subpart B, ANSI C63.4

Specifications

Model	**EC-B4F28M-V3**				
Camera					
Sensor	1/2.9", 4.0 megapixel, progressive scan, CMOS				
Minimum Illumination	Colour: 0.01 lux (F2.0, AGC ON) 0 lux with IR on				
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto/Manual, 1 ~ 1/100000s				
Adjustment angle	Pan: 0° ~ 360°		Tilt: 0° ~ 90°		Rotate: 0° ~ 360°
S/N	>52dB				
WDR	120dB				
Lens					
Lens Type	2.8mm @F2.0				
Iris	Fixed				
Angle of View (H)	101.5°				
Angle of View (V)	55.6°				
Angle of View (D)	111.6°				
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)
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 20fps; 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	Support
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video stream	Dual streams

Image

White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise
Dewarping	NA
HLC	Support
BLC	Support
Defog	Digital Defog

Events

Basic Detection	Motion detection, Tampering alarm, Audio detection, Cross line and Intrusion
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP 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: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above

Interface	
Audio I/O	N/A
Alarm I/O	N/A
Serial Port	N/A
Built-in Mic	Support
Built-in Speaker	N/A
WIFI	N/A
Network	1 RJ45 10M/100M Base-TX Ethernet
Video Output	N/A
Certification	
EMC	CE-EMC (EN 55032,EN 61000-3-3,EN IEC 61000-3-2,EN 55035) FCC (FCC 47 CFR part15 B)
Safety	CE LVD (EN 62368-1) CB (IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)
Protection	IP67 (IEC 60529)
General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
	Power consumption: Max 5.5W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (L × W × H)	166 × 63 × 62mm (6.5" × 2.5" × 2.5")
Weight	0.39kg (0.86lb)
Material	Graphene + Metal
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Strorage Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Reset Button	N/A

Dimensions

240 (9.4")

260 (10.2")

46 (1.8")

4–⌀ 4.5mm
(0.18")

166mm
(6.5")

39mm
(1.5")

39mm
(1.5")

81mm
(3.2")

71mm
(2.8")

62mm
(2.4")

63mm
(2.5")

147mm
(5.7")

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