

# EK-S31P4D44T1



## 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%
- IK10 vandal resistant
- IP67

## Specifications

Model	NVR301-04S3-P4
<b>Video/Audio Input</b>	
IP Video Input	4-ch
<b>Network</b>	
Incoming Bandwidth	64Mbps
Outgoing Bandwidth	48Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SMTP, RTSP
<b>Video/Audio Output</b>	
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
Synchronous Playback	4-ch
Corridor Mode Screen	3/4
<b>Decoding</b>	
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
<b>Hard Disk</b>	
SATA	1 SATA interface
Capacity	up to 6TB for each disk
<b>External Interface</b>	
Network Interface	1 RJ45 10M/100M self-adaptive Ethernet Interface
USB Interface	Rear panel: 2 x USB2.0
<b>PoE</b>	
Interface	4 RJ-45 10M/100M self-adaptive Ethernet Interface
Max Power	Max 30W for single port

	Max 54W in total				
Supported Standard	IEEE 802.3at, IEEE 802.3af				
<b>General</b>					
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)				
<b>Model</b>	<b>EC-B4F28M</b>				
<b>Camera</b>					
Sensor	1/3", 4.0 megapixel, progressive scan, CMOS				
Minimum Illumination	Color: 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				
<b>Lens</b>					
Lens Type	2.8mm and 4.0mm @2.0, Fixed-focal				
Lens Mount	M12				
Angle of View (H)	97.0°		79.0°		
Angle of View (V)	52.2°		42.3°		
Angle of View (O)	107.5°		85.1°		
<b>DORI</b>					
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	2.8	63.0	25.2	12.6	6.3
	4.0	90.0	36.0	18.0	9.0
<b>Illuminator</b>					
IR Range	Up to 30m (98ft) IR range				
Wavelength	850nm				
IR On/Off Control	Auto/Manual				
<b>Video</b>					
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
<b>Image</b>	
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
<b>Events</b>	
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
<b>Storage</b>	
Edge Storage	Micro SD, up to 128GB
Network Storage	ANR, NAS(NFS)
<b>Network</b>	
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+
<b>Interface</b>	
Network	1 * RJ45 10M/100M Base-TX Ethernet
<b>Certification</b>	
EMC	FCC: FCC Part 15
Safety	CE: EN 60950-1 UL: UL60950-1 IEC 60950-1
<b>General</b>	
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



