

## EK-S31P4D44T1-V2



### Key Features

#### NVR301-04S3-P4

- Support Ultra 265/
- 4-channel input
- Plug & Play with 4 independent PoE network interfaces
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T ) and RTSP protocols
- Support 1-ch HDMI, 1-ch VGA, HDMI at up to 4K(3840x2160) resolution
- HDMI and VGA simultaneous output
- Up to 4K resolution recording
- 1 SATA HDD, up to 8TB
- Support cloud upgrade Day/night functionality

#### EC-D4F28M

- 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
Audio Output	1-ch, RCA
Audio Compression	G.711A, G.711U
Synchronous Playback	4-ch
Liview display	1/4
Corridor Mode Screen	3/4
<b>Snapshot</b>	
FTP/Schedule/Event Snapshot	1-ch snapshot, up to D1 resolution
<b>Decoding</b>	
Decoding format	Ultra 265/H.265/H.264
Liview/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 8TB for each disk (The maximum HDD capacity varies with environment temperature)
<b>Smart</b>	
VCA Detection by Camera	Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Audio Detection, Ultra Motion Detection(UMD)
VCA Search	Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Ultra Motion Detection(UMD)
Smart Intrusion Prevention (SIP), UMD by Camera	Total 4-ch
<b>General Alarm</b>	
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

## PoE

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

## 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)

## 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

## Model

**EC-D4F28M**

## Camera

Sensor	1/3", progressive scan, 4.0 megapixel, CMOS
Minimum Illumination	Colour: 0.01Lux (F2.0, AGC ON) 0Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment angle	Pan 8° to 360°, Tilt: 0° to 68°, Rotate: 10° 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°

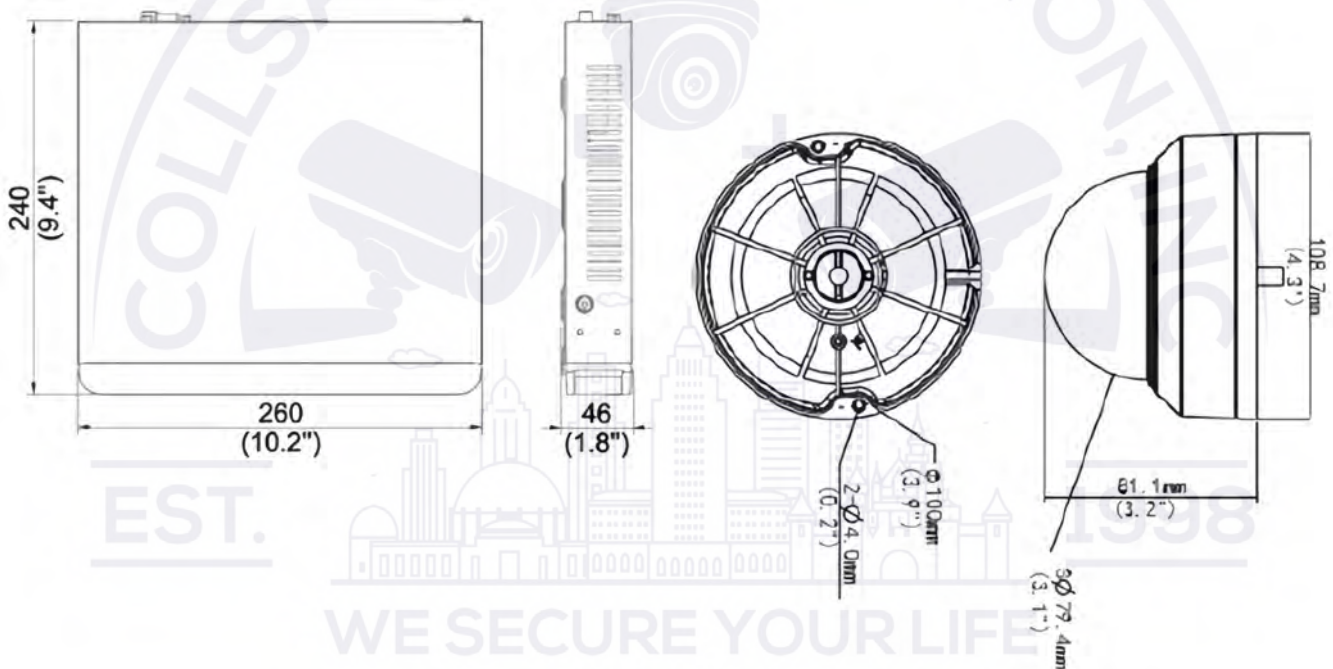
## DORI

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	N/A
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 4.0W
Power Interface	∅ 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 Vandal resistant: IK10

## Dimensions



### Distributed By

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