5MP, DWDR, IR Bullet / 16ch, 16 PoE, 4K Resolution, H.265 NVR, 4TB

CAMERA / NVR KIT

KNR164T8BX

- > Kit Fully Adheres to National Defense Authorization Act (NDAA) Guidelines
- > Includes 16ch network recorder with H.265 Compression for Best-in-Class Recording and Storage Capability
  - o Supports 2 SATA HDD up to 10TB and has Embedded PoE Switch for all Video Channels
  - o Supports recording of up to 16MP Resolution
  - o HDMI Display Output up to 4K(8MP) Resolution
  - o Concurrent Mirrored Display on HDMI and VGA Monitor Outputs
  - o Supports Cloud Upgrade for NVR and Cameras, with Automatic Detection of Latest Firmware and Upgrades, and is ONVIF Profile S Compliant
  - o Supported by uniview tec Guard Station Client Software as well as Guard Live and Guard Viewer Mobile App's for iPhone and Android Devices
  - o Features Automatic Network Recovery (ANR) Technology to enhance storage reliability when network is disconnected
- > Includes 8 x ANB528CAIX
  - o Exceptional Video Quality with 5MP, 2880 x 1620 Resolution
  - o Powerful, Smart IR LED Lights for 0Lux Night Time Operation up to 98 Feet
  - o 2.8mm fixed lens

Uniview Technology / 850 Freeport Pkwy, Ste. 100, Coppell, TX 75019
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- Built-in Microphone and Speaker, Backlight Compensation, 3D DNR (Digital Noise Reduction); ONVIF Profile Series Compliant

Specifications

Video & Audio Inputs	
IP Video Input	16-ch
Audio Input	1-ch, RCA
Video & Audio Outputs	
VGA Output	1920 x 1080p / 60Hz, 1920 x 1080p / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
HDMI Output	3840 x 2160 / 30Hz, 1920 x 1080p / 60Hz, 1920 x 1080p / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
Audio Output	1-ch, RCA
Audio Compression	G.711A, G.711U
Synchronous Playback	16
Live view display	1 / 4 / 6 / 8 / 9 / 16
Corridor Mode Screen	3 / 4 / 5 / 7 / 9 / 10 / 12 / 16
Network	
Incoming Bandwidth	320Mbps
Outgoing Bandwidth	160Mbps
Remote Users	128
Protocols	TCP/IP; P2P; UPnP; DHCP; HTTP; HTTPS; DNS; DDNS; SMTP; RTSP; IPv4
Supported Browsers	IE(IE10/11) for Windows; Firefox (version 52.0 and above) for Windows; Chrome(version 45 and above) for Windows; Edge(version 79 and above) for Windows
Decoding	
Decoding format	H.265 / H.264
Live view/Playback	8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF
Capability	H.265: 2 x 16MP @30, 2 x 12MP @ 30, 4 x 4K @ 30, 6 x 5MP @ 30, 8 x 4MP @ 30, 10 x 3MP @ 30, 16 x 1080P @ 30 H.264: 2 x 16MP (4800 x 2688) @ 30, 2 x 12MP @ 30, 2 x 4K @ 30, 4 x 5MP @ 30, 6 x 4MP @ 30, 8 x 3MP @ 30, 14 x 1080P @ 30

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Hard Disk Drives	
SATA	2 SATA Interface
Capacity	Up to 10TB
Smart Features	
VCA Detection by Camera	Face Detection, Face Comparison, Vehicle Detection, Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Temperature Detection (Fire Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), UMD (Ultra Motion Detection), Video Metadata, Traffic Monitoring
VCA Search	Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report
People counting	People Flow Counting, Crowd Density Monitoring
Smart Intrusion Prevention (SIP), Face Detection, Face Comparison, Vehicle Detection, UMD, Video Metadata, Traffic Monitoring by Camera	8-ch
External Interface	
Network Interface	1 RJ45 10M/100M self-adaptive Ethernet Interface
USB Interface	Rear panel: 2 x USB2.0
PoE	
Interface	8 x RJ-45 10M/100M self-adaptive Ethernet Interface
Max Power	Max 30W for single port Max 75W in total
Supported Standard	IEEE 802.3af/at
General	
Power Supply	100~240V AC; Power Consumption: ≤ 20W (without HDD)
Working Environment	-10°C ~ + 55°C (+14°F ~ +131°F), Humidity ≤ 90% RH(non-condensing)
Rack Ears	Included
Dimensions (W × D × H)	380 × 322 × 53mm (15.0 × 12.7 × 2.1")
Weight (without HDD)	≤ 2.6Kg (5.73lb)
Certifications	FCC, CE (UL – Power Supply only)

Accessories

6 ft Cat5
6 ft HDMI

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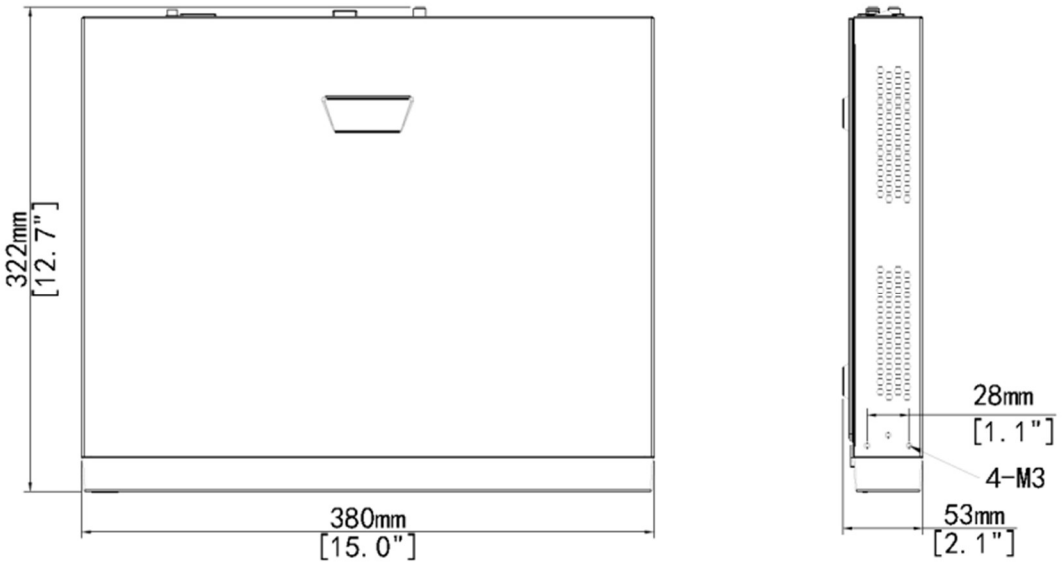
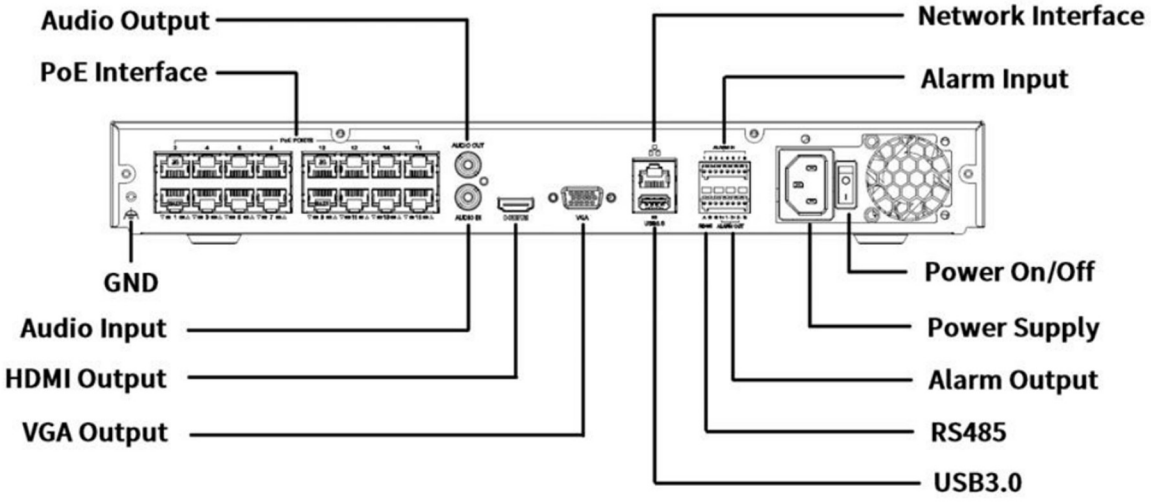
Dimensions



Rear Panel View



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Camera				
Sensor	5 MP 1/2.7' CMOS			
Minimum illumination	Color: 0.002 lux (F1.6, AGC ON); 0 Lux with IR			
Day / Night	IR-cut filter with auto switch (ICR)			
Shutter	Auto / Manual, 1 ~ 1/100000s			
Adjustment angle (3-way Axis)	Pan: 0° ~ 360°; Tilt: 0° ~ 90°; Rotate: 0° ~ 360°			
WDR	DWDR			
S/N	>52dB			
Lens				
Lens	2.8 mm			
Iris	F1.6			
Field of View (H)	110.0°			
Field of View (V)	58.7°			
Field of View (O)	130.0°			
DORI				
DORI Distance	Detect	Observe	Recognize	Identify
	63.0m (206.7ft)	25.2m (82.7ft)	12.6m (41.3ft)	6.3m (20.7ft)
Illuminator				
IR Illumination Distance	30 m (98.4 ft)			
IR On / Off Control	Auto / Manual			
Wavelength	850nm			
Video				
Video Compression	Ultra 265, H.265, H.264			
H.264 code profile	Baseline profile, Main profile, High profile			
Frame Rate	Main Stream: 5 MP (2880 × 1620), max. 30 fps; 4 MP (2560 × 1440), max. 30 fps; 3 MP (2304 × 1296), max. 30 fps; 1080P (1920 × 1080), max. 30 fps; Sub Stream: 720P (1280 × 720), max. 30 fps; D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; Third Stream: D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; 2CIF (704 × 288), max. 30 fps; CIF (352 × 288), max. 30 fps;			
Video Bit Rate	128 Kbps to 16 Mbps			
U-code	Supported			
OSD	Up to 8 OSDs			

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Privacy Mask	Up to 4 areas
ROI	Support
Video Stream	Triple streams

Image	
White Balance	Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2
Digital Noise Reduction	2D / 3D DNR
Smart Illumination	Supported
Flip	Normal; Flip Vertical; Flip Horizontal; 180° ,90° Clockwise, 90° Anti clockwise
Dewarping	N/A
HLC	Supported
BLC	Supported
Defog	Digital Defog
Events	
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non motor vehicle and vehicle)
Face Capture	Support
Statistical Analysis	N/A
People Counting	Support people flow counting and crowd density monitoring
Basic Detection	Human body detection 2.0, Motion detection, Audio detection
General Function	Watermark; IP Address Filtering; Alarm input; Alarm output; Access Policy; ARP Protection; RTSP Authentication; User Authentication; HTTP Authentication
Audio	
Audio Compression	G.711U;G.711A
Audio Bitrate	64 Kbps
Two way Audio	Support
Suppression	Support
Sampling Rate	8KHZ
Storage	
Edge Storage	MicroSD, up to 512 GB
Network	
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, 802.1x, SNMP, PPPoE
Compatible Integration	ONVIF (Profile S, Profile T) , API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
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

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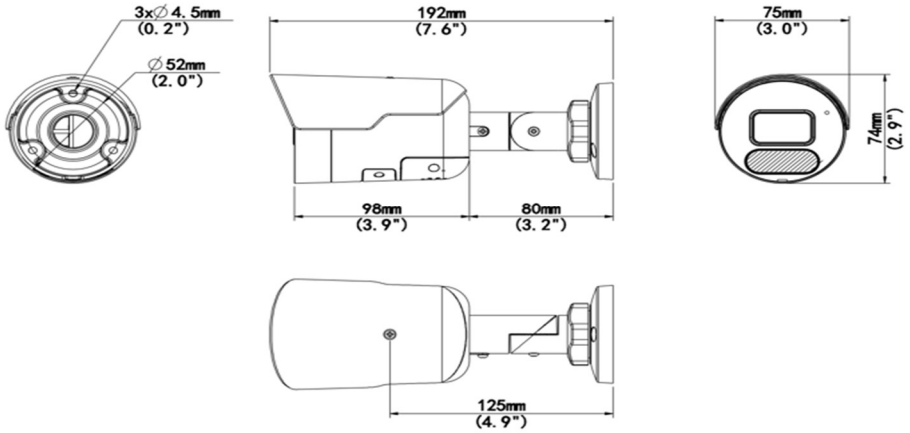
Client	Guard Station, Guard Live, Guard Viewer
Web Browser	Plug in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug in free live view: Chrome 57+, Firefox 58+, Edge 16+
Interface	
Built-in Microphone	Supported
Network	1 * RJ45 10M/100M Base-TX Ethernet

Conformity Certifications	
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); 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). Max: 11.5 W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions	191 mm × 75 mm × 74 mm (7.5" × 2.9" × 2.9") (L × W × H)
Weight	0.50kg (1.10lb)
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Reset Button	Support

Dimensions



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