

# **16ch Analog x 8ch IP, 8MP Resolution, Hybrid NVR**



*16 x 8 Hybrid NVR*

## **HNR162X**

- > Fully Adheres to National Defense Authorization Act (NDAA) Guidelines
- > 16 analog x 8 IP Cameras, Hybrid network recorder with H.265 Compression
- > Simultaneously supports 16 Analog (AHD, TVI, CVI and CVBS) and 8 IP Video Inputs with adaptive access (or up to 24 IP channels if no analog cameras are connected)
- > Supports High Definition Analog (HD Analog) over Coax Technology for use of Existing Coax Cables & BNC Connectors, allowing mega-pixel video images from AHD, TVI and CVI camera without any rewiring
- > Supports recording of up to 8MP Resolution for HD Analog and IP Cameras
- > Concurrent Mirrored Display on HDMI and VGA Monitor Outputs
- > HDMI display resolution up to 8MP
- > Supports Audio I/O and PTZ Camera control
- > Easy Plug and Play Functionality with Automatic Device Discovery and Display
- > Supports 2 SATA HDD up to 12TB each
- > ONVIF Profile S Compliant for IP Cameras
- > Long transmission distance over RG-6 coax cable up to 2000ft (600m)
- > Supported by uniview tec Guard Station Client Software and Guard Viewer Mobile App's for iPhone and Android Devices

[www.univiewtechnology.com](http://www.univiewtechnology.com)

## Specifications

Video & Audio Inputs	
Analog Video Input	16-ch, BNC
IP Video Input	8-ch (only IP up to 24ch); each channel up to 8MP
Supported Analog Camera Types	<div> <b>Support AHD input:</b>                          8MP @ 15fps                          5MP @ 20fps                          4MP @ 30fps                          1080P @ 30fps                          720P @ 30fps                     </div> <div> <b>Support TVI input:</b>                          8MP @ 15fps                          5MP @ 20fps                          4MP @ 30fps                          1080P @ 30fps                          720P @ 30fps                     </div> <div> <b>Support CVI input:</b>                          8MP @ 15fps                          5MP @ 25fps                          4MP @ 30fps                          1080P @ 30fps                          720P @ 30fps                     </div> <div> <b>Support CVBS input</b> </div>
Audio Input	1-ch, RCA
Audio Compression	G.711U
Video & Audio Outputs	
CVBS Output	1-ch, BNC
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
Synchronous Playback	16
Live view display	HDMI / VGA: 1 / 4 / 6 / 8 / 9 / 16 / 25
Two-way Audio	1-ch, RCA
Snapshot	
FTP/Schedule/Event Snapshot	16-ch snapshot, up to 704 x 576 resolution
Network	
Incoming Bandwidth	80Mbps (Up to 112Mbps after all analog channel conversion)
Outgoing Bandwidth	160Mbps

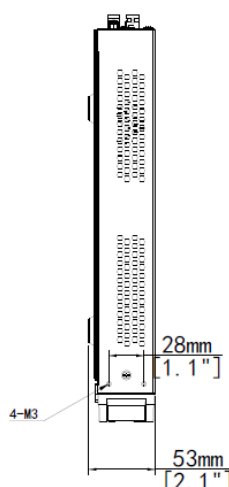
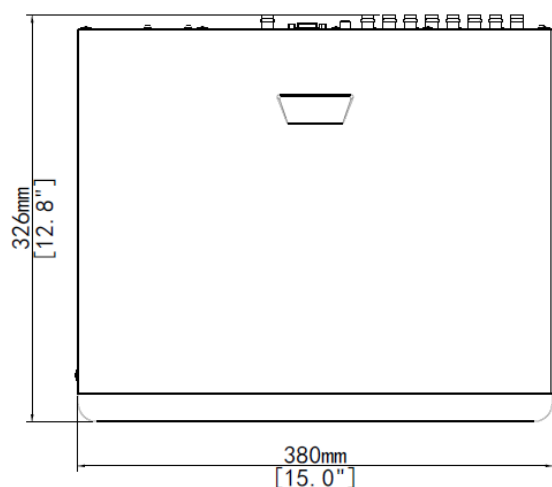
Remote Users	128	
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SMTP	
Supported Browsers	IE(IE10/11) for Windows; Firefox (version 52.0 and above) for Windows; Chrome(version 45 and above) for Windows; Edge(version 79 and above) for Windows	
Encoding		
Recording Resolution	8MP Lite / 5MP Lite /4MP Lite / 1080P / 720P / CIF	
Recording Frame Rate	Main stream	Sub stream
	8MP Lite @ 8fps	D1 @ 8fps
	5MP Lite @ 12fps	D1 @ 12fps
	4MP Lite @ 15fps	D1 @ 15fps
	1080P @ 15fps	D1 @ 15fps
	720p @ 30fps	D1 @ 30fps
Audio Sample Rate	8KHz,16 bit per channel	
Audio Bit Rate	64Kbps per channel	
Decoding		
Capability (fps)	Analog: 16 x 8MP Lite @ 8, 16 x 5MP Lite @ 12, 16 x 4MP Lite @ 15, 16 x 1080P @ 15, 16 x 720P @ 30 IP: 24 x D1 @ 30, 16 x 720P @ 30, 8 x 1080P @ 30	
Hard Disk Drives		
SATA	2 SATA Interface	
Capacity	Up to 12TB for each HDD	
Smart Alarm		
VCA Detection	Ultra Motion Detection (UMD) for analog: 8-ch	
VCA Search	Behavior Search	
General Alarm		
General Alarm	Motion detection	
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/1000M self-adaptive Ethernet Interface	
USB Interface	Rear panel: 1 x USB3.0, Front panel: 1 x USB2.0	
Serial Interface	1 x RS485	
Alarm In	4	
Alarm Out	1	
General		
Power Supply	12V DC; Power Consumption: ≤ 12 W( without HDD )	

# HNR162X Hybrid NVR

# Network Recorders

Working Environment	-10°C ~ + 55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing)
Rack Ears	
Dimensions (W × D × H)	380 × 326 × 53mm (15 × 12.8 × 2.1")
Weight ( without HDD )	2Kg ( 4.4lb )
Certifications	FCC, CE (UL – Power Supply only)

## Dimensions



## Accessories

4KTESTMON	Multi-Function Video Test Monitor
NSW08PX	8-Port PoE Switch
NSW162PX	16-Port PoE Switch
RCKERS2	Rack Ears

## Models

HNR162X-2T	HNR162X-4T
HNR162X-8T	HNR162X-16T

## Rear Panel

