N3 Series 5-in-1 Hybrid HD Analog Recorders

N3HVR4 4-Channel
N3HVR8 8-Channel
N3HVR16 16-Channel

TVI **CVI** **AHD** **960H ANALOG** **IP**

NORTHERN VIEW
Free Mobile App for iPhone,
iPad, Android™ & Android™ Tablets

NORTHERN VIEW

## FEATURES:

- Compatible with TVI, CVI, AHD & 960H Formats
- Up to 1080p Analog Recording @ 15FPS
- Up to 8MP Lite Analog Recording @ 7FPS (4Ch)
- Full Hybrid - All Channels Analog or IP
- Up to 1080p IP Camera Recording
- Up to 8TB Storage Capacity (4Ch)
- Up to 16TB Storage Capacity (8 & 16Ch)
- H.264 & H.265 Recording Compression
- NorthernView Mobile App for iPhone, iPad & Android™
- Built-in Motion Detection & Privacy Mask

- UTC Control (Camera Dependent)
- Up to 16Ch Synchronous Playback
- Free CMS Software Included
- Supports P2P Operation
- Included Mouse for Control
- Front & Rear USB
- HDMI & VGA Main Monitor Outputs
- BNC Main Monitor Output (4 & 16Ch.)
- Built in Audio
- Built in Alarm (8 & 16 Ch.)

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HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

N3 Series 5-in-1 Hybrid HD Analog Recorders

CMS Software For PC/Mac

Browser Based Remote Software
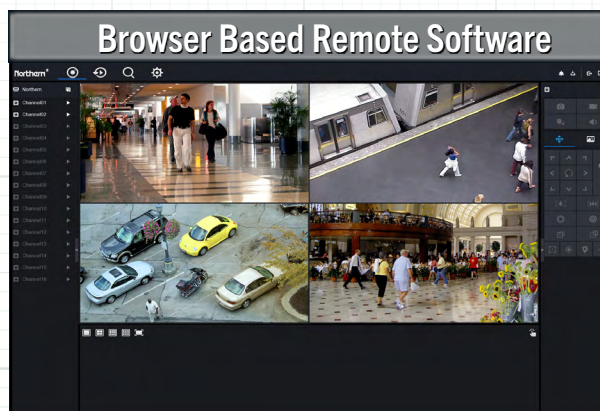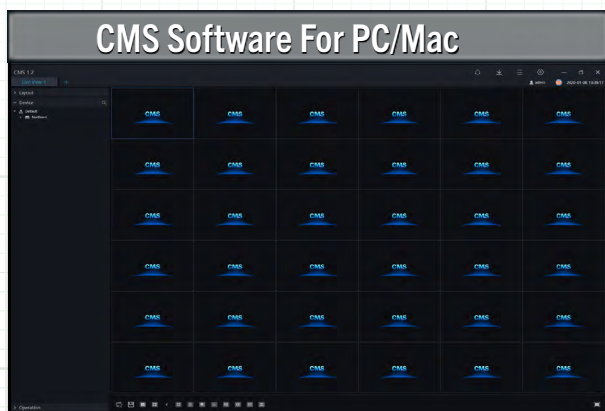
Learn More

5-in-1 Compatibility
N3HVR Series is compatible with IP Cameras and the following HD Analog Camera Formats: TVI, CVI, AHD & 960H.

Mobile Apps for iPhone, iPad & Android™
View & Playback Video from multiple mobile devices with the Free NorthernView mobile app.

Up to 8MP Analog Recording
See increased detail with up to 8MP Lite recording on all N3HVR Series recorders. (4Ch-7FPS, 8/16Ch-8FPS Max).

H.265 Compression
H.265 compression format provides both increased video quality and reduced bandwith consumption.

Up to 16TB Storage Capacity
Large Hard Disk storage capacity allows for longer storage of recorded video. 16TB Max for 8 & 16 Channel, 8TB Max for 4 Channel Models.

Free CMS Software for PC & Mac
Connect to multiple DVR's from a single computer with the included Northern CMS software. Also compatible with all N2 Series Northern IP Cameras & N2/N3 Series NVR's.

HDMI, VGA & BNC Monitor Outputs
Simultaneously display video via HDMI, VGA and BNC main monitor output.

P2P Operation
Peer to Peer function in NorthernView app makes set up easier by bypassing the need to configure port forwarding in most routers.

Remote Accessibility
Remotely connect, monitor, playback, record and change DVR settings via IE browser.

UTC Control of Camera OSD
Up the Coax control can be used to access the OSD menu and configure cameras settings from the DVR locally or remotely.

Additional IP Recording
4 Channel models can record an additional 2 IP cameras. 8 Channel models can record an additioinal 4 IP Cameras and 16 Channel models can record up to 8 IP cameras.

Full Hybrid Recorders
Disabling all Analog Channels allows for recording up to 6 IP Cameras on 4 Ch models, 12 IP Cameras on 8Ch models and 24 IP Cameras on 16Ch models.

Supports DDNS
DDNS insures you will always stay connected to your DVR when using a Dynamic IP address.
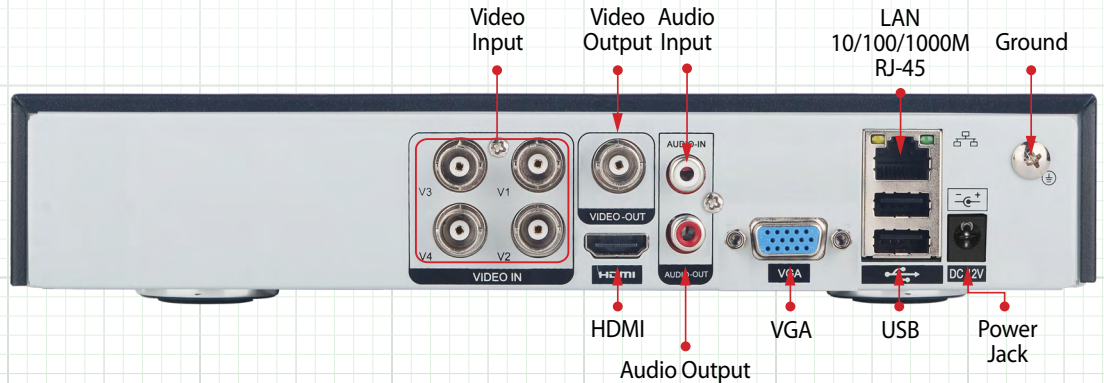
Recorder Model Numbers

4Ch & 8Ch Models Offered as Base Models with No Storage or with 2TB Built-in Drives, 16Ch Models Offered as Base Models with No Storage or with 2TB & 4TB Built-In Drives. Other Drive Configurations Require Separate Base Model Recorder & Hard Drive/s. See chart below.

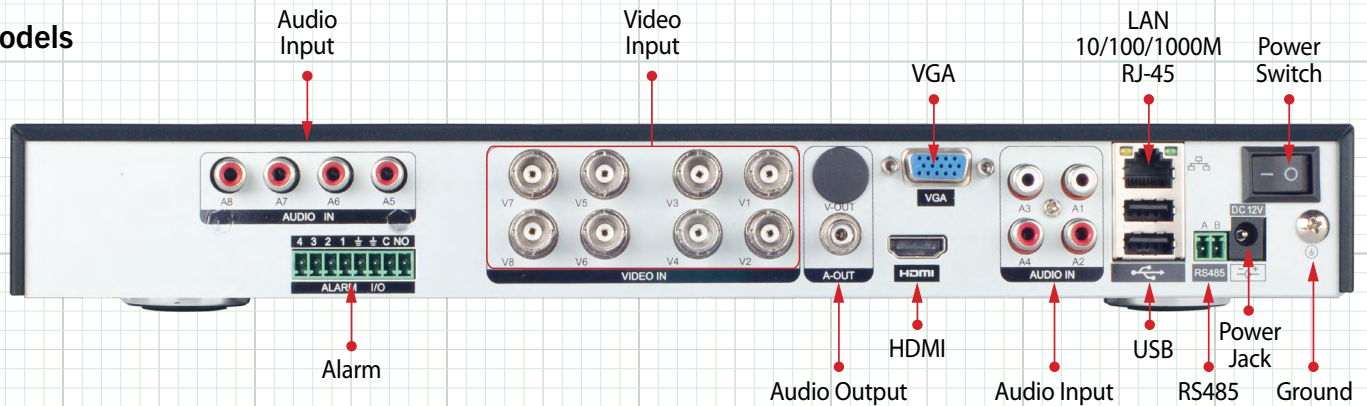| Recorder	4 Channel	8 Channel	16 Channel
No Storage	N3HVR4	N3HVR8	N3HVR16
2TB	N3HVR42T (Built-In Drive)	N3HVR82T (Built-In Drive)	N3HVR162T (Built-In Drive)
4TB	N3HVR4 + NORTHERN-WD42PURZ	N3HVR8 + NORTHERN-WD42PURZ	N3HVR164T (Built-In Drive)
6TB	N3HVR4 + NORTHERN-WD63PURZ	N3HVR8 + NORTHERN-WD63PURZ	N3HVR16 + NORTHERN-WD63PURZ
8TB	N3HVR4 + NORTHERN-WD8001PURP	N3HVR8+ NORTHERN-WD8001PURP	N3HVR16 + NORTHERN-WD8001PURP
12TB	N/A	N3HVR8 + (2)NORTHERN-WD63PURZ	N3HVR16 + (2)NORTHERN-WD63PURZ
16TB	N/A	N3HVR8 + (2)NORTHERN-WD8001PURP	N3HVR16 + (2)NORTHERN-WD8001PURP

Rear Panel Definitions / Connections

4 Ch. Models

Video Input
Video Output
Audio Input
LAN 10/100/1000M RJ-45
Ground

HDMI
Audio Output
VGA
USB
Power Jack

8 Ch. Models

Audio Input
Video Input
VGA
LAN 10/100/1000M RJ-45
Power Switch

Alarm
Audio Output
HDMI
Audio Input
USB
Power Jack
RS485
Ground

16 Ch. Models

Audio Input
Video Input
Video Output
LAN 10/100/1000M RJ-45
VGA
Ground

Alarm
HDMI
USB
RS485
Power Jack
Audio Output
Audio Input
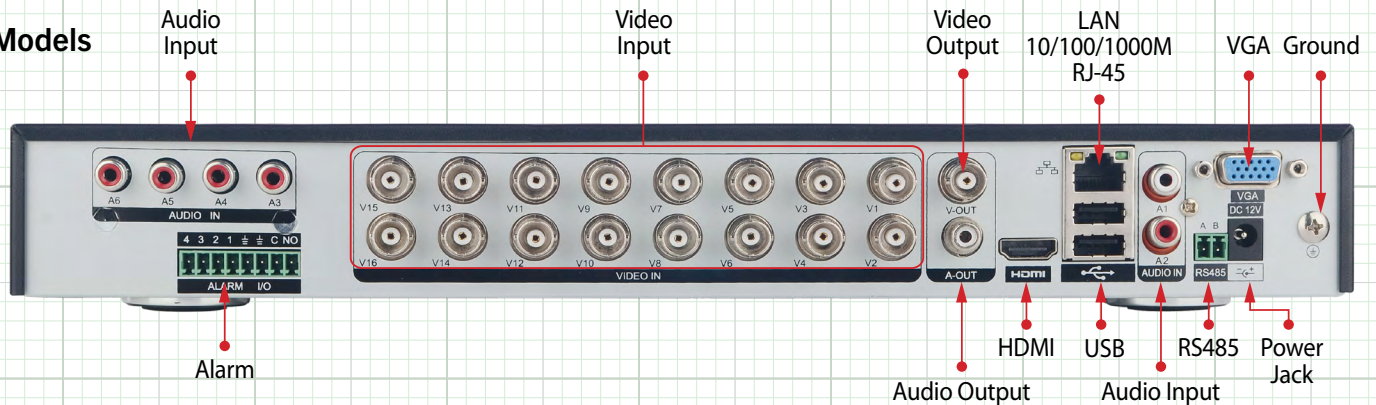
PACKAGE CONTENTS

Power Supply / Cord
Quick Start Manual
Rack Mount Ears (8 & 16Ch)
Mouse
Hardware Packet

N3HVR Series Specifications

	FEATURES	N3HVR4	N3HVR8	N3HVR16
Video/Audio Input	Video Compression	H.265+, H.265, H.264+, H.264		
	Analog Video Input	4-Channel	8-Channel	16-Channel
		BNC Interface (1.0Vp-p, 75Ω)		
	TVI/CVI/AHD/Formats	8MP(Lite) / 5MP / 4MP / 3MP / 1080p / 720p		
	960H Format	PAL / NTSC		
	IP Channels (1080p Max)	4+2	8+4	16+8
	Audio Compression	G.711A		
	Audio Input	1-Ch. RCA Input	8-Ch RCA Inputs	6-Ch RCA Inputs
Video/Audio Output	BNC Output	1x CVBS 640x480 Max	N/A	1x CVBS 640x480 Max
	HDMI Output	1x HDMI 3840x2160, 1920x1080, 1280x1024, 1024x768		
	VGA Output	1x VGA 1920x1080, 1280x1024, 1024x768		
	Frame Rate	4Ch Main stream: 7fps@8MP Lite, 6fps@5MP, 7fps@4MP, 15fps@1080p, 30fps@720p&960H	8Ch/16Ch Main stream: 8fps@8MP Lite, 7fps@5MP, 8fps@4MP, 15fps@1080p, 30fps@720p&960H	
		Sub Stream: 15FPS @ 704x480, 640x360, 480x270, 352x288		
	Record Resolution	960x576(960H), 1280x720(720p), 1920x1080(1080p), 2560x1440(4MP), 2560x1920(5MP), 1280x1440(8MP-Lite)		
	Video Bit Rate	Main Stream: 126Kbps ~ 4096kbps / Sub Stream: 16Kbps ~ 1024kbps		
	Audio Output	1-Channel RCA Output		
	Audio Bit Rate	128kbps		
	Dual Stream	Yes - Supports		
	Stream Type	Video / (Audio Recording Stream Enabled via Record Setup)		
	Synchronous Playback	4 Channel	8 Channel	16 Channel
	Multi Screen Viewing	1, 4, 6	1, 4, 8, 12	1, 4, 8, 9, 16, 24, 25
Network Mgmt.	Remote Connections	Up to 4 Simultaneous Connections		
	Network Protocols	HTTP, HTTPS, TCP/IP, IPv4, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, P2P, IP Filter, DDNS, 802.1X, SNMP		
Hard Disk	SATA	1 x SATA (8TB Max Drive Size)	2 x SATA (8TB Max Drive Size)	
	Capacity	Up to 8TB	Up to 16TB	
Ext. Interface	Network Interface	1 RJ-45 port (10/100Mbps)		
	USB Interface	USB x 2 (Front & Rear)		
	Serial Interface	N/A	1 x RS485	
	Alarm In/Out	N/A	4 In / 1 Out	
	Mobile App	NorthernView Mobile App for iPhone, iPad & Android™		
General	Power Supply	DC 12Volt, 2Amp	DC 12Volt, 4Amp	
	Consumption (no drives)	Max 5W	Max 10.5W	
	Operating Temp	-10 ℃ ~ 50 ℃ (14 °F ~ 122 °F)		
	Operating Humidity	Less than 90% RH		
	Dimensions (L x W x H)	2.1"x 9.6"x 1.7" (255 x 244 x 44mm)	13.8" 12" x 1.9" (350 x 305 x49mm)	
	Certifications	CE / FCC		
	Chassis	Non Rack Mount	1U Rack Mountable	
	Weight (no drives)	1.9lb, 900g	3.9lb, 1.8kg	5.5lb. 2.5kg

Note: Specification subject to change without notice