

## N3 Series 5-in-1 Hybrid HD Analog Recorders

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



### NORTHERN VIEW

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

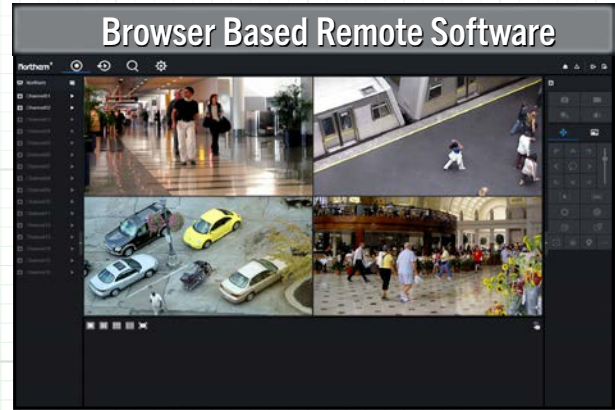
#### FEATURES:

- ◆ 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 Spot Monitor Output
- ◆ Built in Audio / Built in Alarm (8 & 16 Ch.)

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## N3 Series 5-in-1 Hybrid HD Analog Recorders



### 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 bandwidth 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 additional 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

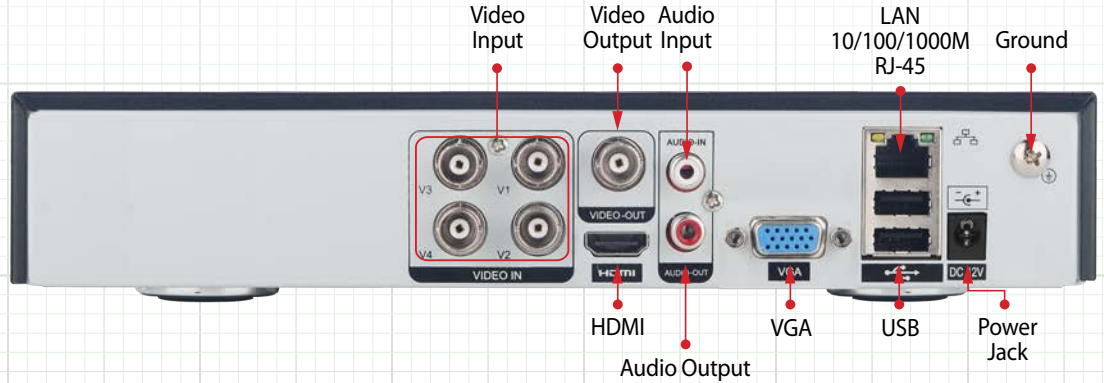
4Ch & 8Ch Models Offered as Base Models with No Storage or with 2TB Built-in Drives, 16Ch Models Offered as Base Models with No Storage or with 2TB & 4TB Built-In Drives. Other Drive Configurations Require Separate Base Model Recorder & Hard Drive/s. See chart below.

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

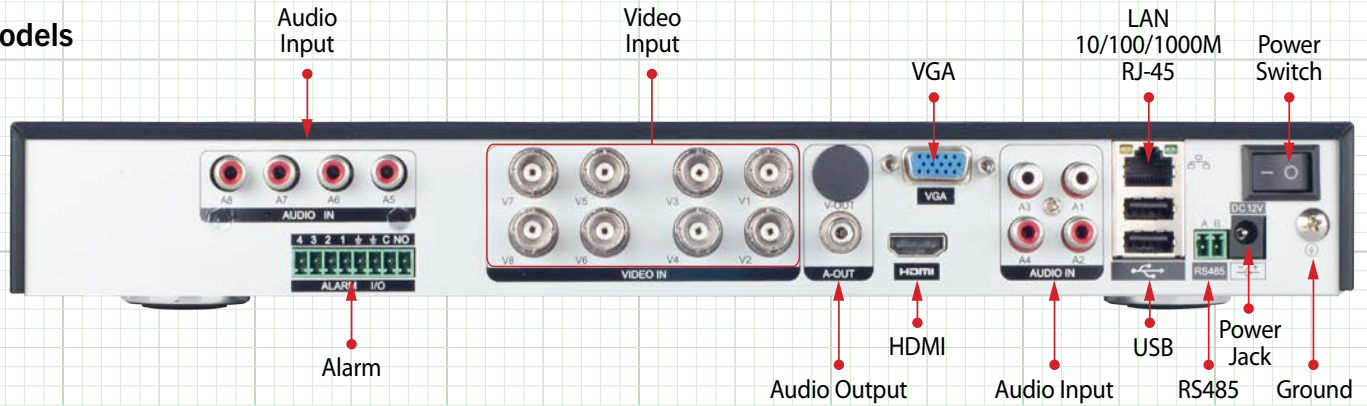
## N3 Series 5-in-1 Hybrid HD Analog Recorders

### Rear Panel Definitions / Connections

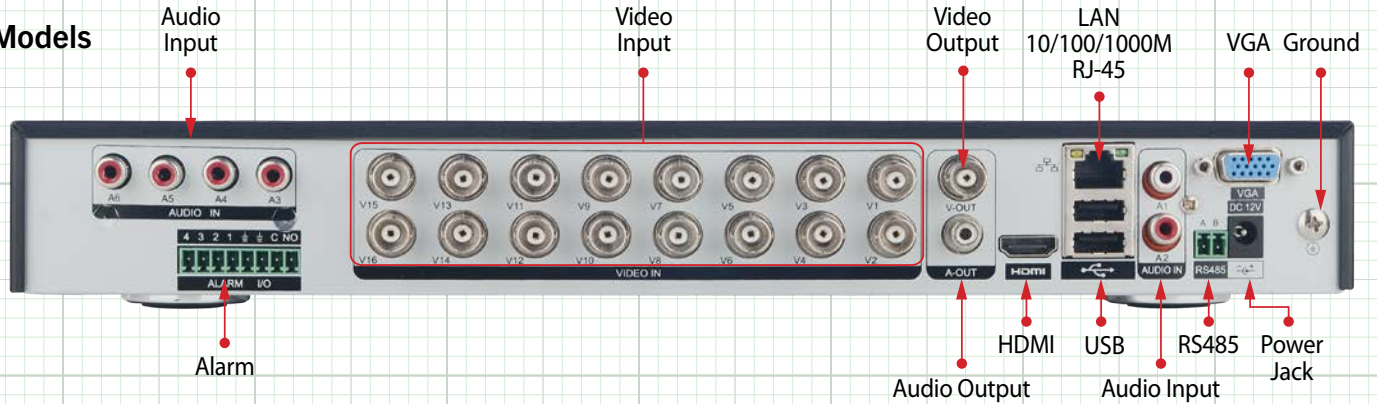
#### 4 Ch. Models



#### 8 Ch. Models



#### 16 Ch. Models



#### PACKAGE CONTENTS

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



**N3 Series 5-in-1 Hybrid HD Analog Recorders**

**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 °C ~ 50 °C (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 x 49mm)		
	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