



**N3NVR4POE**

**4-Channel NVR with 4-Ch. POE**

**N3NVR8POE**

**8-Channel NVR with 8-Ch. POE**

**N3NVR16POE**

**16-Channel NVR with 16-Ch. POE**

**N3NVR3216POE**

**32-Channel NVR with 16-Ch. POE**



### NORTHERN VIEW

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



**Plug & Play with Northern  
N2 & N2 "SD" Series Cameras!**  
Cameras Sold Separately

### FEATURES:

- ◆ Plug & Play with Northern N2 & N2 "SD" Series Cameras
- ◆ Real-Time 30FPS/Ch Recording
- ◆ Up to 8MP Recording 4-8-16 Channel
- ◆ Up to 12MP Recording on 32 Channel
- ◆ H.265 & H.264 Recording Compressions
- ◆ NorthernView Mobile App for iPhone, iPad & Android™
- ◆ Built-in Motion Detection & Privacy Mask
- ◆ Supports P2P Operation
- ◆ Up to 12TB Storage Capacity (4Ch)
- ◆ Up to 24TB Storage Capacity (8, 16Ch)
- ◆ Up to 48TB Storage Capacity (32Ch)
- ◆ Free NORTHERN VIEW CMS Software
- ◆ Integrated 40W/120W/120W POE Switch (4/8/16-Ch)
- ◆ Integrated 160W POE Switch (32Ch)
- ◆ Included Mouse for NVR Control
- ◆ USB for Mouse Control & Copying Video
- ◆ Simultaneous HDMI & VGA Outputs (4Ch)
- ◆ Independent HDMI & VGA Outputs (8, 16, 32Ch)
- ◆ Up to 16 Channel Synchronous Playback
- ◆ Accepts ONVIF Protocols
- ◆ Rack Mount Hardware Included (8, 16, 32Ch)
- ◆ Built-In Audio & Alarm / Supports 2-Way Audio

Android is a trademark of Google LLC.

**HDMI**<sup>®</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

## N3 SERIES NETWORK VIDEO RECORDERS WITH POE

### Learn More

#### H.265 Recording Compression

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

#### Mobile App for iPhone, iPad & Android™

NorthernView Mobile App allows for viewing and playback from multiple mobile devices.

#### Real Time 1080p Recording

All Models record up to 30FPS per Channel.

#### Up to 48TB Storage Capacity

Large storage capacities allows for longer storage of recording video. Up to 12TB (4Ch), 24TB (8-16Ch) 48TB (32Ch).

#### Built in Motion Detection

Maximize your recording duration by only recording when Motion is detected by the NVR.

#### Built in POE Switch

4Ch/40W, 8 & 16Ch/120W & 32Ch/160W POE Switch for connecting and powering cameras directly from the NVR using only a single Category 5/6 cable.

#### Free CMS Software for PC & MAC

Connect to Multiple NVR's or individual IP cameras from a single computer with the included CMS software.

#### HDMI & VGA Video Outputs

Simultaneous HDMI & VGA outputs on 4Ch model. Independent HDMI & VGA outputs on 8-16-32Ch Models.

#### Supports DDNS

DDNS feature insures you will always stay connected to your NVR when using a Dynamic IP address.

#### P2P Operation

Peer to Peer functionality makes mobile viewing setup easier by bypassing the need to configure port forwarding in most routers.

#### Multiple USB Ports

NVR's include dual front USB & single rear USB 2.0 ports for easy copying of video to a USB drive and mouse control.

#### Remote Accessibility

Remotely connect, monitor, playback, record and change NVR settings via IE & Chrome browsers.

#### Plug & Play

The N3NVR Series will plug and play with all N2 & N2 "SD" Series IP Cameras. Plug & Play automatically finds and configures Northern N2 Series cameras.

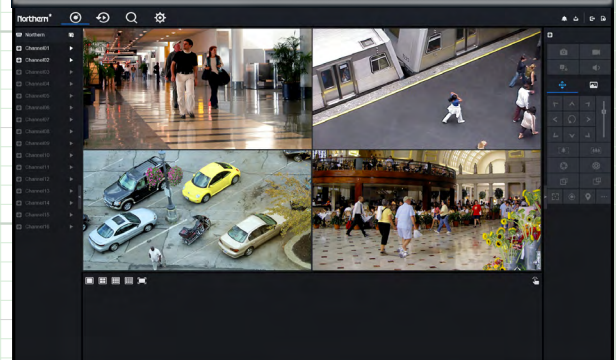
### Recorder Model Numbers

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.

### Package Contents

Power Cord  
Power Supply (4 & 8Ch Units only)  
Quick Start Manual  
Rack Mount Hardware (8, 16, 32Ch only)  
Mouse

### Browser Based Remote Software



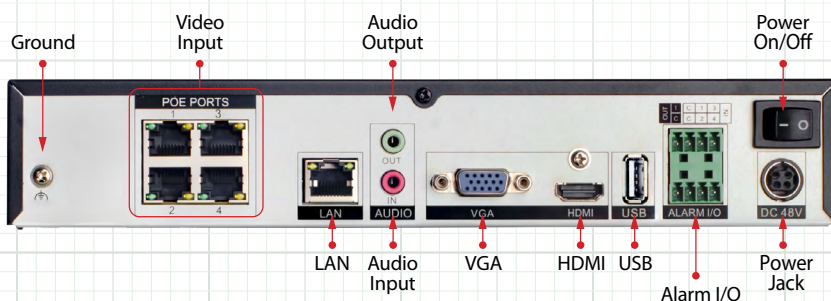
Recorder	4 Channel	8 Channel	16 Channel	16 Channel
No Storage	N3NVR4POE	N3NVR8POE	N3NVR16POE	N3NVR3216POE
2TB	N3NVR4POE2T (Built-In Drive)	N3NVR8POE2T (Built-In Drive)	N3NVR16POE2T (Built-In Drive)	N3NVR3216POE + NORTHERN-WD22PURZ
4TB	N3NVR4POE + NORTHERN-WD42PURZ	N3NVR8POE + NORTHERN-WD42PURZ	N3NVR16POE4T (Built-In Drive)	N3NVR3216POE + NORTHERN-WD42PURZ
6TB	N3NVR4POE + NORTHERN-WD63PURZ	N3NVR8POE + NORTHERN-WD63PURZ	N3NVR16POE + NORTHERN-WD63PURZ	N3NVR3216POE + NORTHERN-WD63PURZ
8TB	N3NVR4POE + NORTHERN-WD8001PURP	N3NVR8POE + NORTHERN-WD8001PURP	N3NVR16POE + NORTHERN-WD8001PURP	N3NVR3216POE + NORTHERN-WD8001PURP
10TB	N3NVR4POE + NORTHERN-WD101PURP	N3NVR8POE + NORTHERN-WD101PURP	N3NVR16POE + NORTHERN-WD101PURP	N3NVR3216POE + NORTHERN-WD101PURP
12TB	N3NVR4POE + NORTHERN-WD121PURP	N3NVR8POE + NORTHERN-WD121PURP	N3NVR16POE + NORTHERN-WD121PURP	N3NVR3216POE + NORTHERN-WD121PURP
16TB	N/A	N3NVR8POE + (2)NORTHERN-WD8001PURP	N3NVR16POE + (2)NORTHERN-WD8001PURP	N3NVR3216POE + (2)NORTHERN-WD8001PURP
20TB	N/A	N3NVR8POE + (2)NORTHERN-WD101PURP	N3NVR16POE + (2)NORTHERN-WD101PURP	N3NVR3216POE + (2)NORTHERN-WD101PURP
24TB	N/A	N3NVR8POE + (2)NORTHERN-WD121PURP	N3NVR16POE + (2)NORTHERN-WD121PURP	N3NVR3216POE + (2)NORTHERN-WD121PURP
36TB	N/A	N/A	N/A	N3NVR3216POE + (3)NORTHERN-WD121PURP
48TB	N/A	N/A	N/A	N3NVR3216POE + (4)NORTHERN-WD121PURP



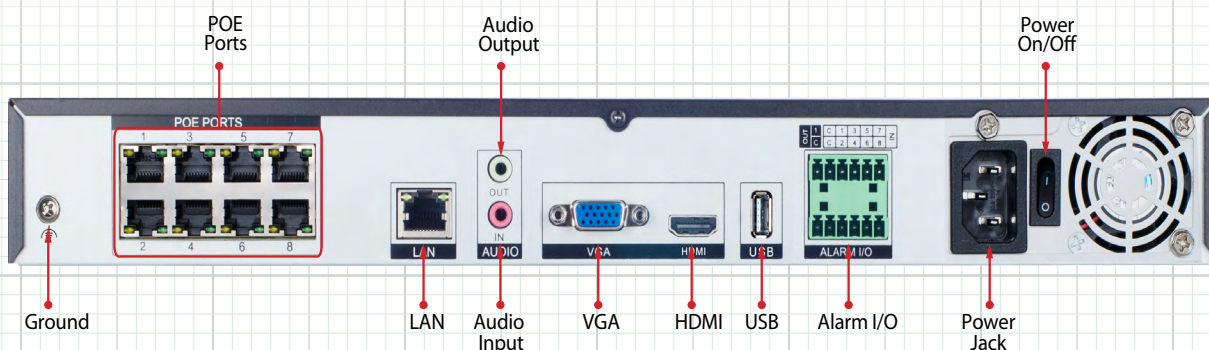
## N3 SERIES NETWORK VIDEO RECORDERS WITH POE

### Rear Panel Definitions / Connections

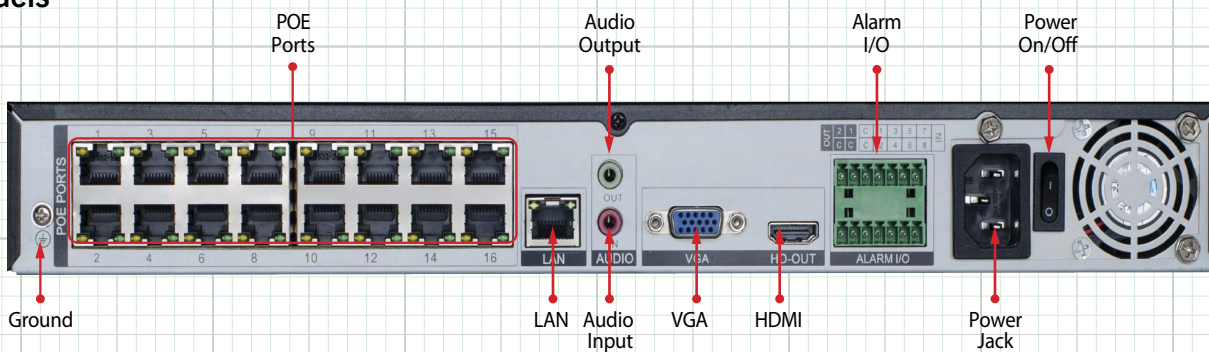
#### 4 Ch. Models



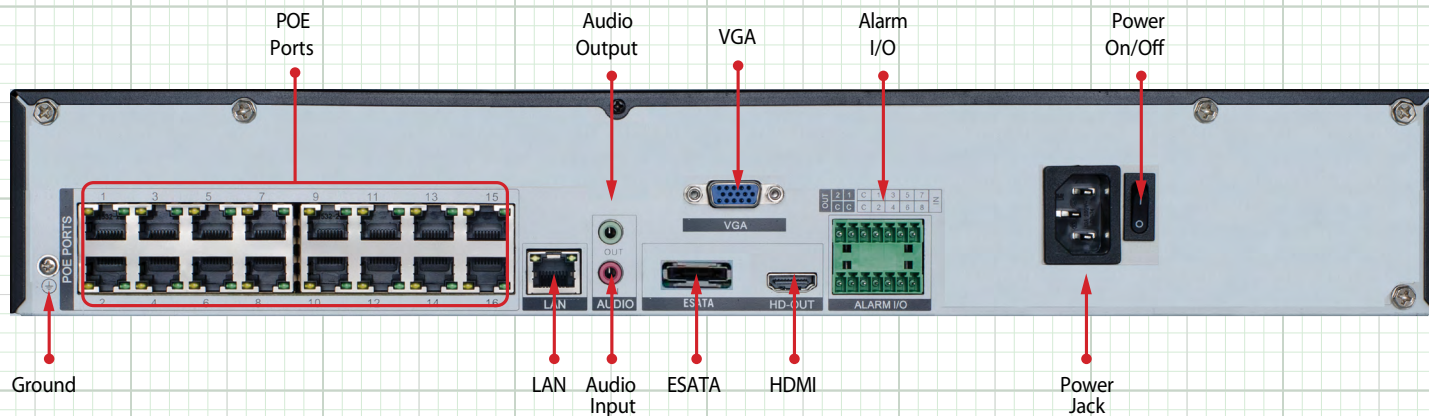
#### 8 Ch. Models



#### 16 Ch. Models



#### 32 Ch. Models



## N3 SERIES NETWORK VIDEO RECORDERS WITH POE

### N3NVRPOE Series Specifications

	FEATURES	N3NVR4POE	N3NVR8POE	N3NVR16POE	N3NVR3216POE
Video/Audio Input	IP Video Input	4-Channel	8-Channel	16-Channel	16-Channel
	Two-Way Audio Input	3.5mm Audio Jack			
	NTSC / PAL	Yes			
	Plug & Play Models	N2 Series N2IP4B, N2IP4D, N2IP4D4MM, N2IP4T, N2IP4W, N2IP4AFD, N2IP4AFB, N2IPPTZ30X N2 “SD” Series N2IP4BSD, N2IP4DSD, N2IP4D4MMSD, N2IP4TSD, N2IP4WSD, N2IP4AFDSD, N2IP4AFBSD, N2IPPTZ30XSD			
Network	Incoming Bandwidth	40 Mbps	80 Mbps	160 Mbps	320 Mbps
	Outgoing Bandwidth	40 Mbps	80 Mbps	160 Mbps	320Mbps
	Remote Connection	Up to 8 Users			
Video/Audio Output	Recording Resolution	12MP (32ch Only) / 8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 720p / D-1			
	Frame Rate	12MP @ 20fps (32ch Only), 8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 720p / D-1 @ 30fps			
	HDMI Output Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1024 x 768			
	VGA Output Resolution	1920 x 1080, 1280 x 1024, 1024 x 768			
	Audio Output	3.5mm Audio Jack - For Two-Way Audio Only			
Decoding	Live / Playback Resolution	12MP (32ch Only) / 8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 720p / D-1			
	Playback Capability	1Ch-8MP / 4Ch-1080P@30fps	1Ch-8MP / 4Ch- 1080P / 8Ch-D1@30fps	1Ch-8MP / 4Ch- 1080P / 9Ch-D1 / 16ch D1@30fps	1Ch-12MP@20FPS / 4Ch-8MP / 9Ch-1080p / 16Ch-1080p / 32Ch-D1 @ 30FPS
Recording & Playback	Compression	H.265 , H.265+ , H.264, H.264+			
	Record Mode Types	Manual, Schedule (Regular, Continuous), Motion Detection, Alarm In			
	Bit Rate (Per Channel)	100Kbps ~ 6144kbps			100Kbps ~ 8000Kbps
	Pre & Post Recording	Auto Pre Recording based on # of Cameras Connected / Post Record (30 sec ~ 60 sec adjustable)			
	Redundant Recording	N/A			Requires 4x HDD
	Recording Parameters	Independent for Each Channel (Resolution, Frame Rate, Bit Rate, etc.)			
	Zooming	Yes - Digital Zoom Available in Live View & Playback			
	Synchronous Playback	Up to 4Ch	Up to 8Ch	Up to 16Ch	
	Playback Controls	Play, Pause, Stop, Rewind, Fast Play, Slow, FW 30s, BW 30s			
	Searching	Time / Date, Alarm, Picture Grid, Event			
Hard Disk	SATA	1x	2x		4x
	Capacity	Up to 12TB			
	Max Storage	12TB	24TB		48TB
	RAID	N/A			RAID 5,6,10
	eSATA	N/A			Yes
	HDD Detection	Built-IN SMART Detection			
External Interface	Network Interface	1 RJ-45 port (10/100Mbps)	1 RJ-45 port (10/100/1000Mbps)		
	USB Interface	3x USB 2.0			
	Alarm In/Out	4/1	8/1	8/2	2/2
	CMS Software	Included NorthernView N2 Series CMS			
PoE	Network Interface	4Ch 100Mbps	8Ch 100Mbps	16Ch 100Mbps	
	Maximum Power	40W	120W		160W
	Supported Standard	IEEE 802.3af			
General	Power Supply	DC48V/1.25A	AC100~240		
	Consumption (no HDD)	< 5W			< 15W
	Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)			
	Operating Humidity	Less than 90% RH			
	Chassis	No Rack Mount	1U Rack Mount		2U Rack Mount
	Dimensions	255×235×47.5mm	372×310.5×46.5mm		440×383.6×70mm
	Weight (no HDD)	1.98lb / 0.9kg	4.6lb / 2.1kg	6.05lb / 2.75kg	9.7lb / 4.4kg

Note: Specification subject to change without notice