

## CCTV Surveillance Kit

NV0246



### 8 Channel IP Kit

INCLUDES: 8-Channel NVR w/ 2TB Storage  
6x 4MP IP, 2.8mm Eyeball Cameras with 100' IR, SD Slot

*Customize Your Kit -  
Add 2 More IP Cameras!*



#### NVR FEATURES:

- ◆ Real Time 30FPS Recording
- ◆ 2 Terabyte Included Storage
- ◆ Up to 8MP Recording
- ◆ H.265 Recording Compression
- ◆ Mobile App for iPhone, iPad & Android
- ◆ Supports P2P Operation
- ◆ Integrated 120W POE Switch
- ◆ Included Mouse for NVR Control
- ◆ USB for Mouse Control & Copying Video
- ◆ Independent HDMI & VGA Outputs
- ◆ Up to 8 Channel Synchronous Playback
- ◆ Built-In Audio & Alarm
- ◆ Supports 2-Way Audio
- ◆ Rack Mount Hardware Included

#### CAMERA FEATURES:

- ◆ Up to 25FPS, 4MP Max Resolution
- ◆ H.265 Recording Compression
- ◆ Digital Wide Dynamic Range
- ◆ Fixed Focal 2.8mm IR Lens
- ◆ 2 High Power IR LED's - 100' IR Range
- ◆ SD Card Slot - Supports 256GB
- ◆ Mechanical IR Cut Filter
- ◆ Dual Stream Capability
- ◆ 3D Digital Noise Reduction
- ◆ POE- Power over Ethernet
- ◆ IP66 Weatherproof

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



*Includes Mobile App for  
iPhone, iPad & Android*

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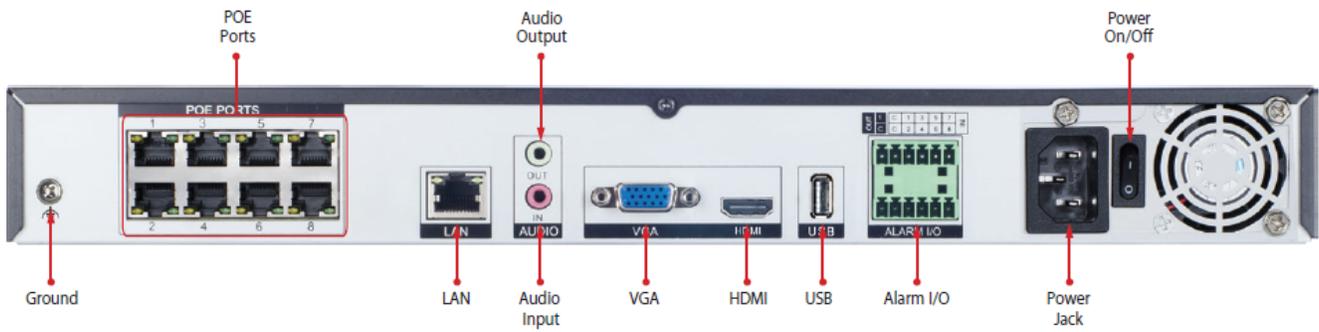
		NVR SPECIFICATIONS
Video/Audio Input	IP Video Input	8-Channel
	Two-Way Audio Input	3.5mm Audio Jack
	NTSC / PAL	Yes
	Additional Plug & Play Cameras	"N2 Series Only" N2IP4B, N2IP4D, N2IP4D4MM, N2IP4T, N2IP4W, N2IP4AFD, N2IP4AFB, N2IPPTZ30X, N2IPKITCAM & SD Models
Network	Incoming Bandwidth	80 Mbps
	Outgoing Bandwidth	80 Mbps
	Remote Connection	Up to 8 Users
Video/Audio Output	Recording Resolution	8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 720p / D-1
	Frame Rate	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
De-coding	Live / Playback Resolution	8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 720p / D-1
	Playback Capability	1Ch-8MP / 4Ch-1080P@30fps / 8Ch-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
	Pre & Post Recording	Auto Pre Recording based on # of Cameras Connected / Post Record (30 sec ~ 60 sec adjustable)
	Redundant Recording	N/A
	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 8Ch
	Playback Controls	Play, Pause, Stop, Rewind, Fast Play, Slow, FW 30s, BW 30s
	Searching	Time / Date, Alarm, Picture Grid, Event
Hard Disk	SATA	2x 12TB Max
	Capacity	2TB Installed 24TB Max Capacity
	HDD Detection	Built-IN SMART Detection
External Interface	Network Interface	1 RJ-45 port (10/100/1000Mbps)
	USB Interface	3x USB 2.0
	Alarm In/Out	8/1
	CMS Software	Included N2 Series CMS
PoE	Network Interface	8Ch 100Mbps
	Maximum Power	120W
	Supported Standard	IEEE 802.3af
General	Power Supply	AC100-240
	Consumption (no HDD)	< 5W
	Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
	Operating Humidity	Less than 90% RH
	Chassis	1U Rack Mount
	Dimensions	372x310x46.5mm
Weight (no HDD)	4.6lb / 2.1kg	

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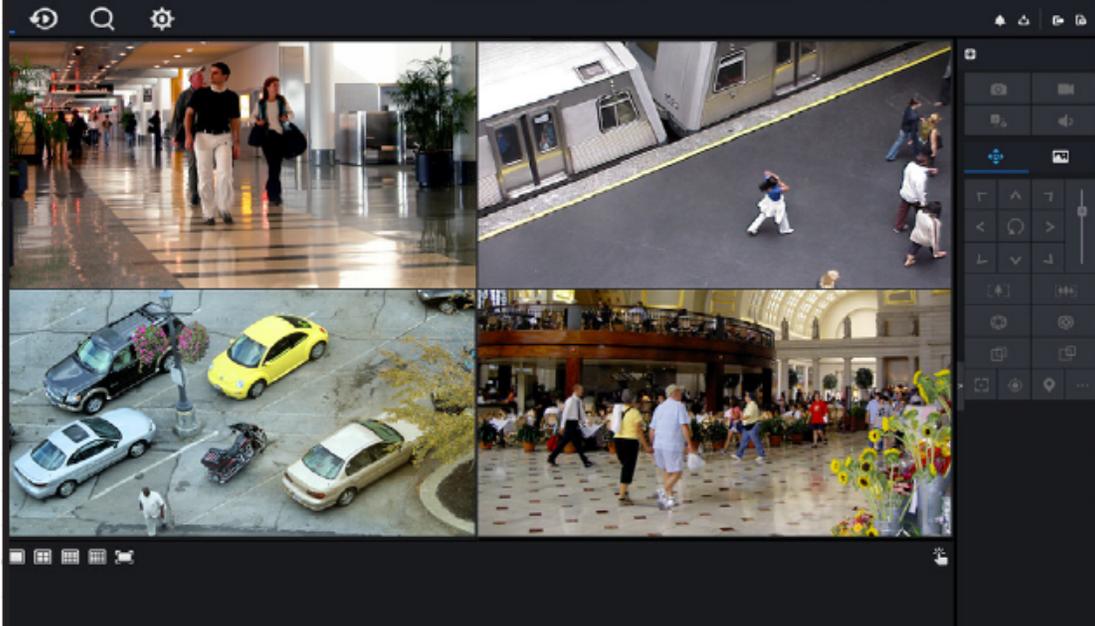
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### Rear Panel Definitions



### Browser Based Remote Software



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	FEATURES	CAMERA SPECIFICATIONS
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Minimum Illumination	Color: 0.1Lux @(F1.2,AGC ON) , B/W: 0Lux @(IR LED ON)
	S/N Ratio	55dB
	IR LED Count / Range / Nanometer	2 IR LED's / 100' Range / 850nm
	Shutter Time	1/5s - 1/20,000s
	Lens (IR Corrective)	Fixed 2.8mm - Angle of View 105° -
	Camera Bracket Adjustment	Pan: 0°~360°, Tilt: 0°~90°, Rotation: 0°~360°
	Day & Night	Yes - True Day/Night with IR Filter - Auto Switch
	DNR (Digital Noise Reduction)	2DNR & 3DNR, Auto / Manual (0-100 Adjustable)
	DWDR (Digital Wide Dynamic Range)	On / Off (0-100 Adjustable)
	BLC (Backlight Compensation)	On / Off (0-100 Adjustable)
	Smart Analytic Features	Virtual Fence, Advanced Perimeter Detection
	Video Compression	H.265, H.264, MJPEG (for both stream types)
Resolution Bitrate	Max. Resolution	2560 x 1440 (4MP)
	Mainstream Resolution	Main Stream: 2560x1440, 2304x1520, 1920x1080, 1280x720 @ 25fps
	Substream Resolution	704x576, 640x360, 480x360, 352x288 @ 25FPS
	Video Bitrate	Main: 128kbps ~ 6144kbps / Sub: 16kbps ~ 1536kbps
Network	Protocols	IPv4, RTSP/RTP/RTCP, TCP/UDP, HTTPS, DHCP, DNS, DDNS, UPNP, ICMP, IGMP, NTP, SMTP, 802.1x, SNMP
	General Function	Supports Mirror, Smart IR, Password Protection, Privacy Mask, Motion Detection
	Users	Up to 4 Users
	Client Software	NorthernView CMS, NorthernView Mobile App, NorthernView Tools
	Web Browser	IE11, Chrome, Firefox
Interface	Communication Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
	Reset Button	Yes
	Onboard Storage	Yes Built in Micro SD/SDHC/SDXC slot, up to 256GB
General	Power Supply	12VDC / POE (IEEE 802.3af)
	Power Consumption & Current	2W (IR LED OFF), 5W Max (IR LED ON)
	Operating Conditions	Operating Temperature -30°C ~ 50°C (-22°F ~ 122°F)
	Weatherproof Rating	IP66
	Housing Material / Color	Aluminum / White
	Overall Camera Dimensions	ø4.4" x 3.7" (ø111 x 95mm)
	Weight	0.77lb / 350g
Certifications	CE / FCC	