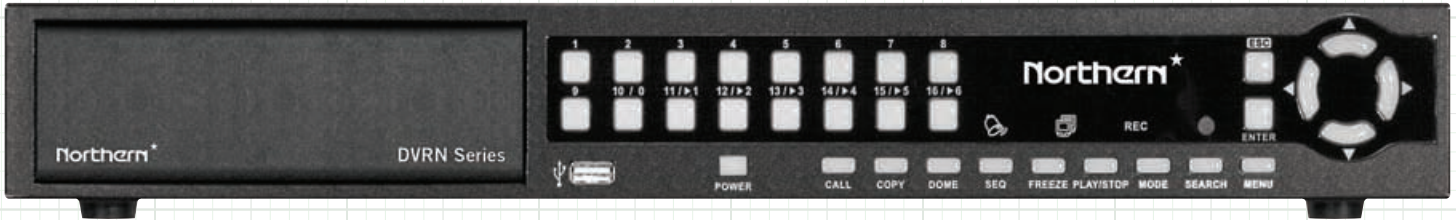


DVRN Series H.264 DVRs

DVRN4 – 4 Ch 120FPS @ Full D-1
 DVRN8 – 8 Ch 240FPS @ Half D-1
 DVRN16 – 16Ch 480FPS @ Half D-1



DVRN Series Features:

- ◆ H.264 Compression
- ◆ Full Mobile Apps for iPhone, iPad, Android
- ◆ Up to 4TB Storage Capacity
- ◆ Copy Video to USB or Optional DVD
- ◆ HDMI, VGA & BNC Video Outputs
- ◆ 4, 8 or 16 Channels of Audio
- ◆ EZ Record by Number of Days
- ◆ Free DDNS Included
- ◆ Free CMS for PC on Included Disk, MAC CMS via APP Store
- ◆ Remotely Monitor, Playback, Record, Setup & Archive
- ◆ IR Remote & Mouse Included
- ◆ Configuration Export Easily Sets Up Multiple DVRs
- ◆ Built-In PTZ Control
- ◆ Built-In Motion Detection
- ◆ Rack Mount Hardware Included
- ◆ Digital Zoom for Live View & Playback

Free Mobile View & CMS Apps



DVRN Series Remote Software shown on Northern[★] LED21HDMI

CMS Software For PC/Mac



Browser Based Remote Software



Learn More

H.264 Compression

H.264 recording is less demanding on Bandwidth and uses less Disk space for maximum recording time.

Free Mobile Apps for iPhone, iPad & Android

View & playback video anywhere, anytime from your mobile devices.

Up to 4.0TB Storage Capacity

Large Hard drive capacity extends the amount of time you can store recorded video.

HDMI, VGA & BNC Video Outputs

Multiple outputs for easy connection to peripheral devices and for connecting two monitors at the same time.

EZ Record by Number of Days

Input the number of days stored video is required. Frame rate/resolution will automatically adjust to the number of days needed.

Free DDNS Included

Free DDNS feature allows you to configure your dynamic IP address directly from the unit, no third party account required.

Free CMS for PC & Mac

View up to 64 cameras on a single screen from multiple DVR's. CMS for PC included with unit, Mac CMS available as a free App from App Store.

Remote Accessibility

Remotely monitor, playback, record, change your DVR settings and even create an archive recording using PC Browser or CMS.

* Archiving not available on Mac CMS.

Included IR Remote & Mouse

Controlling all the DVR functions is easy from either the front panel or via the included IR remote or USB Mouse.

Configuration Export

Save time by copying your DVR setup configurations to a USB thumb drive and easily transfer and install them onto multiple DVRs.

Built-In PTZ Control

Connect and control PTZs from the front panel, included IR Remote, remotely through a computer or even your mobile phone app.

USB/DVD Video Copy

EZ record feature allows you to easily copy video files to a thumb drive using the Front Panel USB connection or the optional DVD Burner.

Rack Mount Hardware

Install the unit into a standard professional CCTV rack using the included rack mount brackets and hardware.

Up to 16 Audio Inputs

All models include 1 audio channel per video channel for the ability to both see and hear what you are recording.

Advanced Protection

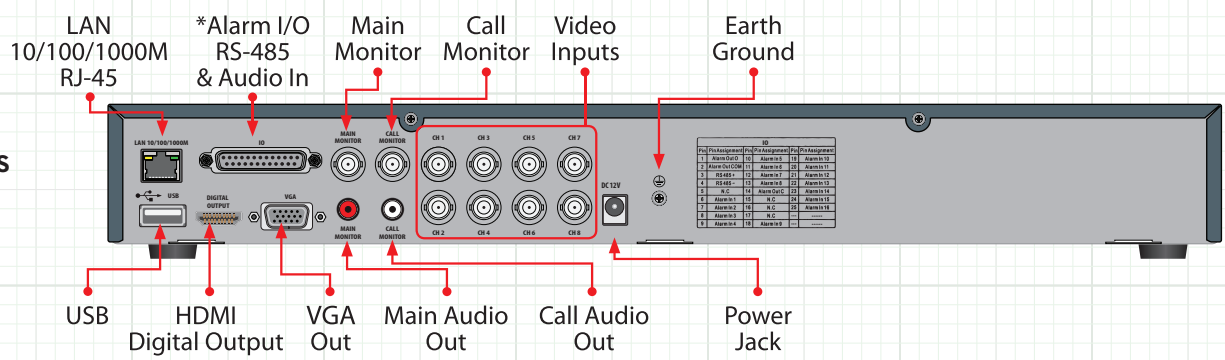
Multiple passwords/permissions can be assigned to various users for allowing or denying access to certain features.

DVRN Series Hard Drive Configurations / Part Numbers

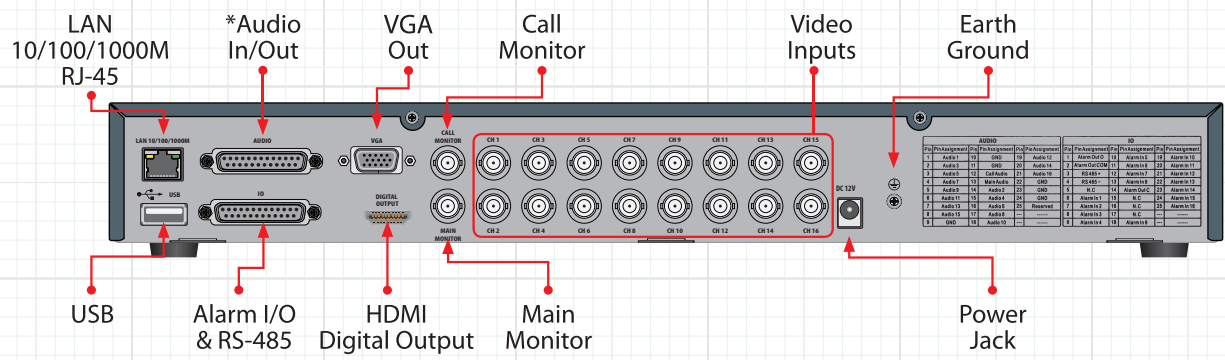
DRIVE SIZE	4 Channel	4 Channel w/DVD	8 Channel	8 Channel w/DVD	16 Channel	16 Channel w/DVD
1TB	DVRN41T	DVRN4DVD1T	DVRN81T	DVRN8DVD1T	DVRN161T	DVRN16DVD1T
2TB	DVRN42T	DVRN4DVD2T	DVRN82T	DVRN8DVD2T	DVRN162T	DVRN16DVD2T
4TB	DVRN44T	N/A	DVRN84T	N/A	DVRN164T	DVRN16DVD4T

Rear Panel Definitions

4 & 8 Ch. Models



16 Ch. Models



Included Accessories

Package Contents

- (1) Power Cord
- (1) Power Supply
- (1) IR Remote Control
- (1) Alarm Adapter
- (1) Audio Adapter
- (1) User Manual
- (1) Quick Start Manual
- (1) Manual/CMS Disc
- (2) Rack Mount Ears
- (1) Mouse



DVRN Series Specifications

SPECIFICATIONS		DVRN4	DVRN8	DVRN16
VIDEO	Operation System	Embedded (Linux)		
	Video Standard	NTSC/PAL Auto Switching		
	Video Operation	Pentaplex Live, Record, Playback, Remote and Internet Access		
	Resolution-Live Video	720 x 480		
	Video Input	BNC x 4, 1.0Vp-p / 75ohm	BNC x 8, 1.0Vp-p / 75ohm	BNC x 16, 1.0Vp-p / 75ohm
	Outputs:	Main Monitor	HDMI, VGA or BNC	
		Call Monitor	BNC x 1, 1.0Vp-p / 75ohm	
	HDMI Output	1024 x 768, 1920 x 1080		
	VGA Output	1024 x 768, 1280 x 1024 Pixels		
	Picture Refresh Rate	120FPS	240FPS	480FPS
	Display Mode	1, 4	1, 4, 9	1, 4, 9, 16
	Digital Zoom	Live View & Playback x2		
Camera Installation	Plug & Play			
AUDIO	Input	RCA x 4 Line-in	RCA x 8 Line-in	RCA x 16 Line-in
	Output	RCA x 2 (1 x Main / 1 x Call) via Cable Assembly		
	Recording Mode	Only For Real Time Recording Synchronized w/Video		
	Compression Method	Proprietary		
	Data Rate	8Kb/s per CH		
	Operation	Remote		
	Playback	Only for Video at Original Speed		
RECORDING	Compression Method	H.264		
	Recording Mode	Schedule, Alarm, Motion Detection, Continuous		
	Recording Resolution/Rate	120FPS @ 352x240 (CIF)	240FPS @ 360x240 (CIF)	480FPS @ 352x240 (CIF)
		120FPS @ 720x240 (Half D1)	240FPS @ 720x240 (Half D1)	480FPS @ 720x240 (Half D1)
		120FPS @ 720x480 (D1)	120FPS @ 720x480 (D1)	240FPS @ 720x480 (D1)
	Recording Quality	8 Preset Levels, Adjustable		
Image Size	8Kb to 20Kb / Picture			
Storage Mode	Linear / Circular			
PLAYBACK	Playback	Pause, Stop, Rewind, Forward, Search		
	Playback Speed Adjustment	1x, 2x, 4x, 8x, 16x, 32x		
	Search	Date/Time, Event		
	Data Life Time Select	Yes. 1-365 Days		
STORAGE	Built-in HDD	SATA x 2 (w/o DVD Burner Option - SATA x 1 w/DVD Burner)		SATA x 2
	Built-in File Copy	Optional DVD+RW		
	Export	USB 2.0 Port x2 (Support ThumbDrive) , DVD+RW		
ALARM	Alarm Input	D-Sub x 4	D-Sub x 8	D-Sub x 16
	Alarm Relay Output	D-Sub x 1		
	Alarm Detection	N.C./N.O., Programmable		
	Motion Detection	16 x 12 Grid Array, Sensitivity, Trigger Level Adjustable		
	Video Loss Detection	Programmable		
COMMUNICATION	Network Connectivity	RJ-45 connector, 10/100/1000Mbps Ethernet, supports PPPoE / DDNS / DHCP		
	Remote Control Operation	CMS (Included on Disk), IE Browser IR Remote Control (Included) with Accessories		
	Mobile View Support	iPhone, iPad & Android		
	Remote Access	Up to 7 Users / 8 Authority Levels		
	Remote Operation	Monitor, Playback, Recording, System Setup, Archive, PTZ Control		
	RS-485	D-Sub		
	IR Remote	Included		
	Dome Control Protocol	Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, DSCP, JVC		
GENERAL	Unit Dimension(WxHxD)	17.3" x 2.3" x 15"		
	Unit Weight	10.8lbs		
	Package Dimensions	21.5" x 6.5" x 18"		
	Package Weight	15.2lbs		
	Operation Temperature	23° ~ 104°F		
	Relative Humidity	10% ~ 90% Non-Condensing		
	Power Supply	UL Listed 12VDC 5amp/60Watt		

Note: Specification subject to change without notice