



DNR408R  
8 Channels, 8 PoE+ Support, 200Mbps,  
Supports up to 12TB HDD

DNR416R  
16 Channels, 16 PoE+ Support, 200Mbps,  
Supports up to 12TB HDD

# FLIR IP™

## DNR400R Series NVR

FLIR's DNR400R Series NVRs further accelerate high definition recording, offering higher capacity 200Mbps processing for real-time recording with cameras up to 4MP. With integrated Power over Ethernet (PoE) inputs and PoE+ support, installation is made simple. No programming or configuration is necessary as the NVR automatically discovers FLIR IP Cameras on the network. Plus, drive mirroring enables back-up recordings to the second internal hard disk drive to keep data secure.

### HIGH PERFORMANCE VIDEO PROCESSING

*Smooth video recording up to 4MP resolution*

- 200Mbps network bit rate
- Supports high definition recording with cameras up to 4MP
- Pentaplex Operation – simultaneous view, record, playback, backup & remote monitoring

### EASY INSTALLATION

*Integrated PoE inputs for quick, convenient connection*

- 8/16 integrated PoE ports with PoE+ support
- ONVIF 2.3 conformance
- Auto-discovery of FLIR IP Cameras

### REDUNDANT RECORDING

*Back-up to keep data secure*

- Drive mirroring to second internal HDD
- Supports 2x SATA HDDs up to 6TB (12TB total)
- Instant back-up via 2x USB 2.0 ports

### FLIR CLOUD™ – QUICK & SECURE REMOTE VIEWING

*Remote access via iOS, Android, PC / Mac with FLIR Cloud™*

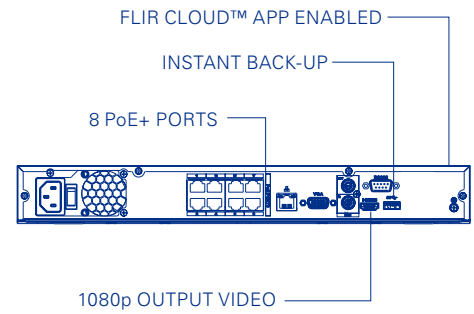
- Set up remote viewing in three easy steps: install FLIR Cloud™ app, scan QR code on NVR, view live video
- Multisite viewing on FLIR Cloud™ CMS for PC / Mac



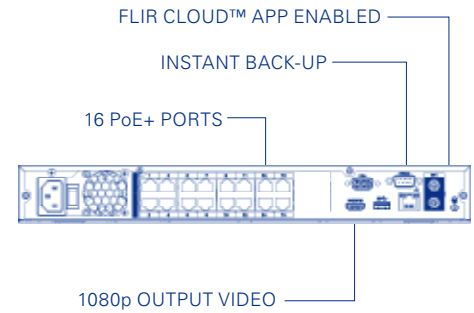
## Specifications

NVR Specifications System	DNR408R2/P	DNR416R2/P
Operating System	Linux (embedded)	
Pentaplex	Simultaneous view, record, playback, backup & remote monitoring	
Number of Channels	8 Channels	16 Channels
<b>Inputs/Outputs</b>		
Video IN	8 PoE Video Inputs	16 PoE Video Inputs
Video OUT	No	
VGA OUT	Yes	
HDMI	Yes	
Audio IN	1 Line IN (RCA) for 2-way audio	
Audio OUT	1 Line OUT (RCA) for 2-way audio	
USB Port	1 at the back, 1 at the front	
Alarm IN	4 Alarm IN	
Alarm OUT	2 Alarm OUT	
Video Output Resolution	1920x1080, 1280x1024, 1280x720, 1024x768	
PTZ Control	Supports Pelco-D and Pelco-P	
<b>Display</b>		
Live Display	1,4,8	
Live Display Speed	240 NTSC, 200 PAL	480fps NTSC, 400fps PAL
OSD	ON/OFF	
System Navigation	USB mouse, IR remote controller, front panel	
Motion Area Setting	Adjustable grid (22x18)	
Sensitivity	Levels 100	
Firmware Upgrade	Automatic over the Internet & via USB device and network	
User Authority	By user group	
Time Synchronization	Auto time sync by NTP server	
<b>Recording</b>		
Compression	H.264	
Recording Resolution*	720p (1280x720), 1080p (1920x1080), 3MP (2028x1536), 4MP (2688x1520)	
Record Rate	NTSC: 240FPS @ 720p/1080p/3MP/4MP PAL: 200FPS @ 720p/1080p/3MP/4MP	NTSC: 480FPS @ 720p/1080p/3MP/4MP PAL: 400FPS @ 720p/1080p/3MP/4MP
Recording Quality Control	6 levels	
Recording Schedule	By hour, by day, by recording mode, by motion, by channel	
Pre Recording	Max. 30 Seconds	
Post Recording	Max. 5 Minutes	
Reliability	Watch-Dog, auto-recovery after power failure	
Covert Video	Yes	
<b>Playback and Backup</b>		
Playback Channel	1/4	
Playback Speed	Variable Max 16x	
Playback Players	Backup Player	
Search	By time & event	
Log Search	Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss	
Audio Play	Yes (audio camera required)	
<b>Storage &amp; Archive</b>		
Storage	Up to 2 HDDs (SATA)	
Maximum Capacity	Up to 2x6TB	
Backup Media	USB flash drive & HDD	
Backup File Format	DAV or ASF file	

## 8 Channel



## 16 Channel



## Specifications

NVR Specs Cont.	DNR408R2/P	DNR416R2/P
<b>Connectivity</b>		
Cloud Connection	FLIR Cloud™	
Supported Operating Systems	Windows™, Mac OSX	
Remote Software	Client Software (PC/Mac)	
Email Notification	Text with snapshot	
Instant Smart Phone & Tablet Support	iPad®, iPhone®, Android™	
DDNS	Free FLIR DDNS	
System Configuration	Full setup configuration over network	
Ports	Programmable by User	
Network Protocol	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter	
Network Bit Rate	200Mbps total, 48~8192kbps per camera	
Network Protocol	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter	
IP Cameras Supported	FLIR, Digimerge, Panasonic, Sony, Dynacolor, Samsung, AXIS, Arecont, Bosch, Canon, Honeywell, Pelco, Panasonic, Vivotek	
<b>NVR General Information</b>		
Power Consumption	Approx. 20W (No HDD Installed)	
Supply Voltage	100VAC-240VAC, 50/60Hz	
Total PoE Power Output (across all channels)	120W (Max 25W per camera)	150W (Max 25W per camera)
Unit Weight	4.4lbs / 2.0kg	7.3lbs / 3.3kg
Dimensions (W x H x D)	10.5 x 8.0 x 1.8" / 267 x 203 x 46mm	14.8 x 12.9 x 2.1" / 376 x 328 x 53mm
Operating Temperature	14° ~ 131° F / -10° ~ 55° C	
Humidity	10 ~ 90% RH	

Recording Resolution (Pixels) & Maximum Speed (FPS - Frames per Second)					
Model	FPS	720P 1280x720	1080P 1920x1080	3MP 2028x1536	4MP 2688x1520
8ch	Total	240	240	240	240
	Per channel	30	30	30	30
16ch	Total	480	480	480	480
	Per channel	30	30	30	30

## Ordering Information

DNR408R0	8-41430-01408-9	8ch NVR 1080p30 2HD 8PoE 60Hz
DNR408R2	8-41430-01409-6	8ch NVR 1080p30 2HD 8PoE 2TB 60Hz
DNR408R3	8-41430-01403-4	8ch NVR 1080p30 2HD 8PoE 3TB 60Hz
DNR408R4	8-41430-01558-1	8ch NVR 1080p30 2HD 8PoE 4TB 60Hz
DNR408R6	8-41430-01559-8	8ch NVR 1080p30 2HD 8PoE 6TB 60Hz
DNR408R8	8-41430-01560-4	8ch NVR 1080p30 2HD 8PoE 8TB 60Hz
DNR408R12	8-41430-01561-1	8ch NVR 1080p30 2HD 8PoE 12TB 60Hz
DNR416R0	8-41430-01404-1	16ch NVR 1080p30 2HD 16PoE 60Hz
DNR416R2	8-41430-01400-3	16ch NVR 1080p30 2HD 16PoE 2TB 60Hz
DNR416R3	8-41430-01407-2	16ch NVR 1080p30 2HD 16PoE 3TB 60Hz
DNR416R4	8-41430-01588-8	16ch NVR 1080p30 2HD 16PoE 4TB 60Hz
DNR416R6	8-41430-01589-5	16ch NVR 1080p30 2HD 16PoE 6TB 60Hz
DNR416R8	8-41430-01590-1	16ch NVR 1080p30 2HD 16PoE 8TB 60Hz
DNR416R12	8-41430-01591-8	16ch NVR 1080p30 2HD 16PoE 12TB 60Hz

### MARKHAM, ONTARIO

FLIR Systems, Inc.  
250 Royal Crest Court  
Markham, ON L3R 3S1  
Canada  
PH: +1 866.344.4674

### PORTLAND

Corporate Headquarters  
FLIR Systems, Inc.  
27700 SW Parkway Ave.  
Wilsonville, OR 97070  
USA  
PH: +1 866.477.3687

## Package Dimensions

DNR400R Series: 17.5 x 6.7 x 17.3" / 445 x 170 x 439mm

[www.flir.com/security](http://www.flir.com/security)  
NASDAQ: FLIR

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2016 FLIR Systems, Inc. All rights reserved. (Created 11/23/16)