

FLIR IP™

DNR800 SERIES

4K High Definition NVR



DNR816: 16 Channels, 16 PoE+ Support, 320Mbps

DNR832: 32 Channels, 16 PoE+ Support, 320Mbps

FLIR's DNR800 Series NVRs further accelerate high definition recording, offering higher capacity 320 Mbps processing for real-time recording with cameras up to 8MP (4K). With sixteen 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 internal hard disk drive to keep data secure.

HIGH-CAPACITY VIDEO PROCESSING

Real-time high definition recording on every channel

- 320Mbps network bit rate
- Supports HD real-time recording with cameras up to 8MP (4K)
- Pentaplex operation – simultaneous View, Record, Playback, Backup & Remote Monitoring

EASY INSTALLATION

Integrated PoE inputs for quick, convenient connection

- 16 integrated PoE ports with PoE+ support
- 150W total PoE (up to 25W per channel)
- Auto-discovery of FLIR IP Cameras with no programming

REDUNDANT RECORDING

Back-up to keep data secure

- Drive mirroring between up to 4 internal HDDs
- Supports 4x SATA HDDs up to 6TB (24TB total)
- eSATA support for 4 external drives

FLIR CLOUD – QUICK & SECURE REMOTE VIEWING

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

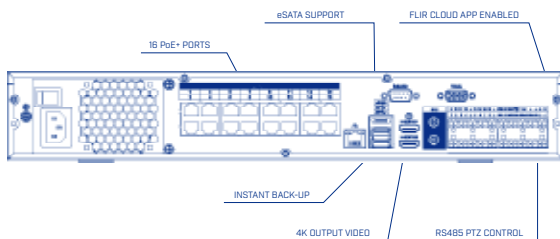
- Set up remote viewing in 3 easy steps: install FLIR Cloud app, scan QR code on NVR, view live video
- Multisite viewing on FLIR Cloud CMS for PC / Mac



Specifications

NVR Specifications	DNR816/P SERIES	DNR832/P SERIES
System		
Operating System	Linux (embedded)	
Pentaplex	Simultaneous view, record, playback, backup & remote monitoring	
Number of Channels	16 Channels	32 Channels
Inputs/Outputs		
Video IN	16 PoE Video Inputs	
Video OUT	No	
VGA OUT	Yes	
HDMI	Yes	
Audio IN	1 Line IN (RCA) for service only	
Audio OUT	1 Line OUT (RCA) for service only	
USB Port	1 USB 3.0 back, 1 USB 2.0 front	
Alarm IN / OUT	16 IN / 6 OUT	
Video Output Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x768	
PTZ Control	FLIR IP PTZ cameras only	
Display		
Live Display	1/4/9/16	1/4/9/16/32
Live Display Speed	480fps NTSC, 400fps PAL	960fps NTSC, 900fps PAL
OSD	ON/OFF	
System Navigation	USB mouse, IR remote controller, front panel buttons	
Motion Area Setting	Fixed 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	
Recording		
Video Compression	H.264 / H.265	
Audio Compression	G.711	
Recording Resolution	720p (1280x720), 1080p (1920x1080) ~ 4K-8MP (3840x2160)	
Record Rate	16ch (480fps) / 32ch (960fps): 30/25fps per channel @ 8MP/4MP/3MP/1080p/720p	
Recording Quality Control	6 levels	
Recording Schedule	By hour, by day, by recording mode, by motion, by alarm, by channel	
Pre Recording	Max. 4 Seconds	
Post Recording	Max. 5 Minutes	
Reliability	Watch-Dog, auto-recovery after power failure	
Covert Video	Yes	
Playback		
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)	
Storage & Archive		
Storage	Up to 4 HDD (SATA), plus external eSata	
Maximum Capacity	4x6TB=24TB	
Backup Media	USB flash drive & HDD	
Backup File Format	DAV or ASF file	

16/32 Channels



Specifications

NVR Specs Cont.	DNR816/P SERIES	DNR832/P SERIES
Connectivity		
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	Android™, iPad®, iPhone®	
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	320Mbps total, 48~8192kbps per camera	
Network Interface	10/100/1000-Base-TX, RJ-45	
NVR General Information		
Power Consumption	Approx. 15W (No HDD Installed)	
Supply Voltage	100VAC-240VAC, 50/60Hz	
Total PoE Power Output (across all channels)	130W (Max 25W per camera)	
Unit Weight	10.25 lbs / 4.65 kg (without HDD)	
Dimensions (W x H x D)	17.3 x 2.9 x 16.4" / 440 x 76 x 417mm (1.5U)	
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 2048x1536	4MP 2688x1520	4K 3840x2160
16ch	Total	480	480	480	480	480
	Per channel	30	30	30	30	30
32ch	Total	960	960	960	960	960
	Per channel	30	30	30	30	30

Ordering Information

DNR8160	8-41430-01501-7	16 Channels, no HDD
DNR8162	8-41430-01502-4	16 Channels, 2TB HDD
DNR8163	8-41430-01767-7	16 Channels, 3TB HDD
DNR8164	8-41430-01768-4	16 Channels, 4TB HDD
DNR8166	8-41430-01781-3	16 Channels, 6TB HDD
DNR8168	8-41430-01769-1	16 Channels, 8TB HDD
DNR81612	8-41430-01782-0	16 Channels, 12TB HDD
DNR81616	8-41430-01796-7	16 Channels, 16TB HDD
DNR81618	8-41430-01783-7	16 Channels, 18TB HDD
DNR81624	8-41430-01784-4	16 Channels, 24TB HDD
DNR8320	8-41430-01546-8	32 Channels, no HDD
DNR8322	8-41430-01785-1	32 Channels 2TB HDD
DNR8323	8-41430-01547-5	32 Channels 3TB HDD
DNR8324	8-41430-01770-7	32 Channels 4TB HDD
DNR8326	8-41430-01786-8	32 Channels 6TB HDD
DNR8328	8-41430-01771-4	32 Channels 8TB HDD
DNR83212	8-41430-01787-5	32 Channels 12TB HDD
DNR83216	8-41430-01772-1	32 Channels 16TB HDD
DNR83218	8-41430-01788-2	32 Channels 18TB HDD
DNR83224	8-41430-01789-9	32 Channels 24TB HDD

Package Dimensions

DNR800 Series: 20.5 x 7.9 x 20.9" / 520mm x 200mm x 530mm