FLIR *IP*™

DNR800 SERIES

4K High Definition NVR

DNR816: 16 Channels, 16 PoE+ Support, 320Mbps
DNR832: 32 Channels, 16 PoE+ Support, 320Mbps
DNR864: 64 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 drives to keep data secure.

HIGH-CAPACITY VIDEO PROCESSING
Real-time high definition recording

- 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 4× SATA HDDs up to 6TB (24TB total)

- eSATA support for up to 4 external drives

FLIR CLOUD – QUICK & SECURE REMOTE VIEWING
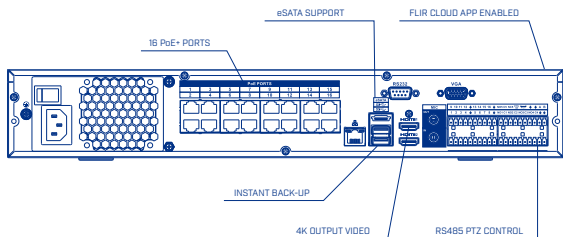*Remote access via iOS, Android, PC / Mac with FLIR Cloud*

- 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

ONVIF®

FLIR Cloud™

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Specifications

NVR Specifications	DNR816/P SERIES	DNR832/P SERIES	DNR864/P SERIES
System			
Operating System	Linux (embedded)		
Pentaplex	Simultaneous view, record, playback, backup & remote monitoring		
Number of Channels	16 Channels	32 Channels	64 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	3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768		
PTZ Control	FLIR IP PTZ cameras only		
Display			
Live Display	1/4/9/16	1/4/9/16/32	1/4/9/16/32x2
Live Display Speed	480fps NTSC, 400fps PAL	960fps NTSC, 900fps PAL	960fps NTSC, 900fps PAL
OSD	ON/OFF		
System Navigation	USB mouse, IR remote controller, front panel buttons		
Motion Area Setting	Fixed grid (22×18)		
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 (1280×720), 1080p (1920×1080) ~ 4K-8MP (3840×2160)		
Record Rate	16ch (480fps) / 32ch (960fps): 30/25fps per channel @ 8MP/4MP/3MP/2MP/1MP 64ch(1920/1800fps): 30/25fps per channel 3MP/2MP/1MP		
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 16×		
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		

16/32/64 Channels

eSATA SUPPORT   FLIR CLOUD APP ENABLED

16 PoE+ PORTS

INSTANT BACK-UP

4K OUTPUT VIDEO   RS485 PTZ CONTROL

Specifications

NVR Specs Cont. Connectivity	DNR816/P SERIES	DNR832/P SERIES	DNR864/P SERIES
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)	150W (Max 25W per camera)		
Unit Weight	10.25 lbs / 4.65 kg (without HDD)		
Dimensions (W × H × D)	17.3 × 2.9 × 16.4" / 440 × 76 × 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 2688×1520	4K 3840x2160
16ch	Total	480	480	480	480	480
	Per channel	30	30	30	30	30
32ch	Total	960	960	960	960	840
	Per channel	30	30	30	30	30
64ch	Total	1920	1920	1920	1680	840
	Per channel	30	30	30	30	30

64-Channel NVR – Camera Support

Camera Resolution	Maximum # of Supported Cameras
4K (8MP)	28
4MP	56
3MP	64
2MP	64

Ordering Information

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
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
DNR8642	8-41430-01790-5	64 Channels, 2TB HDD
DNR8643	8-41430-01791-2	64 Channels, 3TB HDD
DNR8644	8-41430-01504-8	64 Channels, 4TB HDD
DNR8646	8-41430-01792-9	64 Channels, 6TB HDD
DNR8648	8-41430-01773-8	64 Channels, 8TB HDD
DNR86412	8-41430-01793-6	64 Channels, 12TB HDD
DNR86416	8-41430-01774-5	64 Channels, 16TB HDD
DNR86418	8-41430-01794-3	64 Channels, 18TB HDD
DNR86424	8-41430-01795-0	64 Channels, 24TB HDD

Package Dimensions

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

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