



DNR516R2 (NTSC model)
16 Channels, 16 PoE+ Support, 200Mbps, 2TB HDD

FLIR IP™

DNR500R Series NVR

FLIR's DNR500R Series NVRs further accelerate high definition recording, offering higher capacity 200Mbps processing for real-time recording with cameras up to 4MP. With 16 integrated Power over Ethernet (PoE) inputs with PoE+ support, installation is made simple. No programming or configuration is necessary - the NVR automatically discovers FLIR IP cameras on the network. Drive mirroring enables back-up recordings between up to four internal hard disk drives, plus eSATA support for four external drives to keep data secure.

HIGH-CAPACITY VIDEO PROCESSING

Real-time high definition recording on every channel

- Turbo 200Mbps network bit rate
- Supports HD real-time recording with cameras up to 4MP
- 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

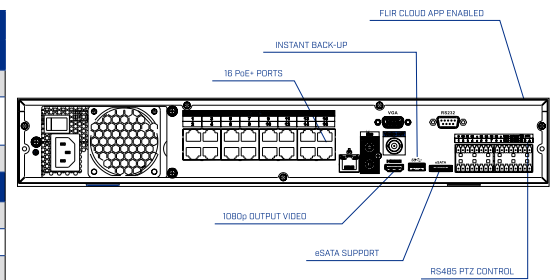
Remote access via iOS, Android, PC / Mac with FLIR Cloud

- 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		DNR516R2
System		
Operating System	Embedded LINUX	
Pentaplex	Simultaneous view, record, playback, backup & remote monitoring	
Number of Channels	16 Channels	
Inputs/Outputs		
Video IN	16 PoE Video Input	
Video OUT	Yes, BNC	
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	16 Alarm IN	
Alarm OUT	4 Alarm OUT	
Video Output Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	
PTZ Control	RS-485, supports Pelco-D and Pelco-P	
Display		
Live Display	1/4/9/16	
Live Display Speed	480fps NTSC, 400fps PAL	
OSD	Camera Title, Time, Camera Lock, Motion Detection, Recording Status	
System Navigation	USB mouse	
Motion Area Setting	Adjustable grid (22 × 18)	
Sensitivity	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		
Compression	H.264 / MJPEG	
Recording Resolution*	720p (1280×720), 1080p (1920×1080), 3MP (2028×1536), 4MP (2688×1520)	
Record Rate	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	
Playback & Backup		
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 change, connects/disconnects and video loss	
Audio Play	Yes (audio camera required)	
Storage & Archive		
Storage	Up to 4 HDDs (SATA) Internal Up to 4 HDD External using 1x eSATA Port	
Maximum Capacity	Up to 4x6TB Internal + up to 4x6TB External (eSATA)	
Backup Media	USB flash drive & HDD	
Backup File Format	H.264	



Specifications

NVR Specifications Cont.		DNR516R2
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	iPad®, iPhone®, Android™	
DDNS Free	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 Interface	10/100/1000Mbps, RJ-45	
Network Bit Rate	200Mbps total 48~8192kbps per camera	
IP Cameras Supported	FLIR, Digimerge, Panasonic, Sony, Dynacolor, Samsung, AXIS, Arecont, Bosch, Canon, Honeywell, Pelco, Panasonic, Vivotek	
NVR General Information		
Power Consumption	Approx. 40 watts (No HDD Installed)	
Supply Voltage	100VAC-240VAC, 50/60Hz	
Total PoE Power Output (across all channels)	150W (Max 25W per Camera)	
Unit Weight	13.2lbs / 6.0kg	
Dimensions (W x H x D)	17.3 x 16.1 x 2.8" / 440 x 410 x 70mm	
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
16ch	Total	480	480	480	480
	Per channel	30	30	30	30

Ordering Information

DNR516R2: 8-41430-01411-9
16 Channels (NTSC)
2TB HDD

Package Dimensions

DNR500R Series: 19.8 x 7.5 x 20.9" / 503 x 191 x 531mm

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