# FLIR IP™

## DNR500 Series NVR

DNR516P2 (NTSC model)
16 channels, 16 PoE+ Support, 200 Mbps, 2TB HDD

DNR532P2 (NTSC model)
32 channels, 16 PoE+ Support, 200 Mbps, 2TB HDD

DNR516P2P (PAL model)
16 channels, 16 PoE+ Support, 200 Mbps, 2TB HDD

DNR516P4P (PAL model)
16 channels, 16 PoE+ Support, 200 Mbps, 4TB HDD

DNR516P6P (PAL model)
16 channels, 16 PoE+ Support, 200 Mbps, 6TB HDD

DNR532P2P (PAL model)
32 channels, 16 PoE+ Support, 200 Mbps, 2TB HDD

FLIR's DNR500 Series NVRs further accelerate high definition recording, offering higher capacity 200 Mbps processing for real-time recording with cameras up to 5MP. 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. 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.

## HIGHER CAPACITY PROCESSING
*Real-time recording in Full HD per channel*

• Turbo 200 Mbps network bit rate

• Supports HD real-time recording with cameras up to 5MP

• 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

• 120watt total PoE (up to 25w/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 4TB (16TB total)
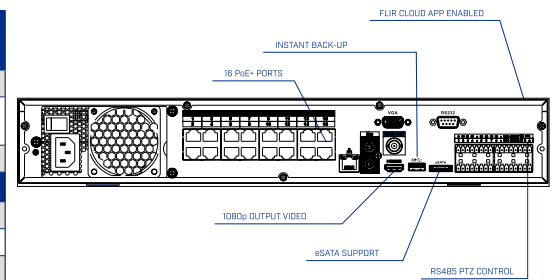
• eSata support for four external drives

## 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

• Cloud platform will offer premium services to receive Video Surveillance as a Service (VSaaS)

**FLIR** Cloud™

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## Specifications

| NVR Specifications<br>System | DNR516P2 / DNR516P2P | DNR532P2 / DNR532P2P |
|---|---|---|
| Operating System | Embedded LINUX | |
| Pentaplex | Simultaneous view, record, playback,<br>backup & remote monitoring | |
| Number of Channels | 16/32 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 | 1/4/8/9/16 | |
| 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 (22x18) | |
| 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 | |
| Recording Resolution* | 720P (1280x720), 1080P (1920x1080), 3MP (2028x1536), 5MP (2560x1920) | |
| Record Rate | NTSC 16 ch: 480FPS @ 720P / 1080P / 3MP / 5MP  32 ch: 960FPS @ 720P / 1080P / 3MP / 5MP  - PAL 16 ch: 400FPS @ 720P / 1080P / 3MP / 5MP 32 ch: 800FPS @ 720P / 1080P / 3MP / 5MP | |
| 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 and 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 changes, connects/disconnects and video loss | |
| Audio Play | Yes (audio camera required) | |
| **Storage & Archive** | | |
| Storage | Up to 4 HDD's (SATA) Internal<br>Up to 4 HDD External using 1x eSATA Port | |
| Maximum Capacity | Up to 4x4TB Internal + up to 4x4TB External (eSATA) | |
| Backup Media | USB flash drive & HDD | |
| Backup File Format | DAV or ASF file | |

FLIR CLOUD APP ENABLED
INSTANT BACK-UP
16 PoE+ PORTS
1080p OUTPUT VIDEO
eSATA SUPPORT
RS485 PTZ CONTROL

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# Specifications

| NVR Specifications Cont. Connectivity | DNR516P2 / DNR516P2P | DNR532P2 / DNR532P2P |
|---|---|---|
| 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 | 200Mbs 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 | 6.0kg / 13.2lbs | |
| Dimensions (W x H x D) | 440mm x 410mm x 70mm / 17.3" x 16.1" x 2.8" | |
| Operating Temperature | 14° ~ 131° F / −10° ~ 55° C | |
| Humidity | 10 ~ 90% RH | |

## Recording Resolution (Pixels) & Speed (FPS – Frames per Second)

| Model | FPS | 720P 1280x720 | 1080P 1920x1080 | 3MP 2028x1536 | 5MP 2560x1920 |
|---|---|---|---|---|---|
| 16ch | Total | 480 | 480 | 480 | 480 |
| | Per channel | 30 | 30 | 30 | 30 |
| 32ch | Total | 960 | 960 | 960 | 960 |
| | Per channel | 30 | 30 | 30 | 30 |

## Ordering Information

DNR516P2: 8-41430-00930-6
 16 channels (NTSC)
 2TB HDD

DNR532P2: 8-41430-00932-0
 32 channels (NTSC)
 2TB HDD

DNR516P2P: 8-41430-01105-7
 16 channels (PAL)
 2TB HDD

DNR516P4P: 8-41430-01137-8
 16 channels (PAL)
 4TB HDD

DNR516P6P: 8-41430-01138-5
 16 channels (PAL)
 6TB HDD

DNR532P2P: 8-41430-01106-4
 32 channels (PAL)
 2TB HDD

### Package Dimensions

DNR500 Series: 20 x 7.1 x 19" / 508 x 180 x 482mm
DNR500P Series: 20 x 7.1 x 19" / 508 x 180 x 482mm

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

www.flir.com/security
NASDAQ: FLIR

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