

DNR110 Series / **DNR110P Series\*** 





FLIR's DNR110 Series NVRs feature powerful high-speed HD recording. Installation is made simple with integrated PoE and auto-detection of the cameras upon connection. With high bit rate processing, the NVR records at full resolution per channel at real-time.

### **HIGHER CAPACITY PROCESSING**

Real-time recording in Full HD on each channel

- Supports HD recording with cameras up to 5MP
- Pentaplex operation simultaneous View, Record, Playback, Backup & Remote Monitoring
- 80Mbps network bit rate processing

### **EASY INSTALLATION**

Integrated PoE inputs for quick, convenient connection

- 4/8 integrated PoE ports
- 50Watt total PoE (up to 25W per channel)
- Auto-discovery of FLIR IP Cameras with no programming

### BACKUP & RECORDING

Back-up to keep data secure

- Supports SATA HDD up to 4TB
- 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 DVR, view live video
- Multisite viewing on FLIR Cloud CMS for PC / Mac

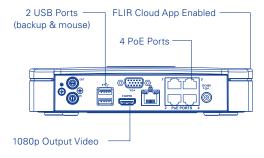
\*4 channel model shown



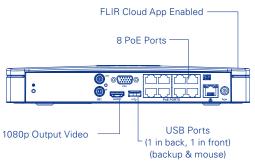
# **Specifications**

Embedded LINUX   Pentaplex   Simultaneous View, Record, Playback, Backup, and Remote Monitoring   Number of Channels   4/8 Channel   Inputs/Outputs   Video IN	NVR Specifications	DNR110/P Series
Pentaplex Number of Channels Inputs/Quitputs Video OIV Video OUT Ves Video Out Video Compression Vid	System Operating System	Emboddod LINILIV
Number of Channels Inputs/Dutputs Video IN Video OUT Ves VGA OUT Ves VGA OUT Ves HDMI Yes Audio IN All Line IN (RCA) for two-way audio Audio OUT 1 Line OUT (RCA) for two-way audio Audio OUT Ves Schrift 1 at the back, 1 at the front Alarm IN Alarm OUT No Video Output Resolution PTZ control PTZ control PSplay Live Display Live Display Live Display Speed Audio OUT Ach: 2 at Neb: 1, 4 / 8ch: 1, 4 , 8ch: 1, 4 , 8ch: 1, 4 / 8ch:	1 0 /	
Inputs/Outputs		
Video IN         4 ch: 4 PoE Video Input / 8 ch: 8 PoE Video Input           Video OUT         Yes           VOA OUT         Yes           HDMI         Yes           Audio IN         1 Line IN (RCA) for two-way audio           Audio OUT         1 Line OUT (RCA) for two-way audio           USB Port         4ch: 2 at the back           Bch: 1 at the back, 1 at the front           Alarm IN         No           Alarm OUT         No           Video Output Resolution         1920×1080, 1280×1024, 1280×720, 1024×768           PTZ control         FLIR IP PTZ cameras only           Display         4ch: 1, 4 / 8ch: 1, 4, 8           Live Display Speed         4ch: 120 NTSC, 100 PAL / 8ch: 240 NTSC, 200 PAL           OSD         ON/OFF           System Navigation         USB Mouse           Motion Area Setting         Adjustable grid (22x18)           Sensitivity levels         100           Firmware Ugrade         Automatic over the Internet & via USB device and network           User Authority         By user group           Time Synchronization         G.711           Recordflag         H.264           Audio Compression         G.711           Resolution         720P (1280×720), 1080P) (3MP / 5MP     <		4/8 Channer
Video OUT         Yes           VGA OUT         Yes           HOMI         Yes           Audio IN         1 Line IN IRCA) for two-way audio           Audio OUT         1 Line OUT (RCA) for two-way audio           USB Port         4ch: 2 at the back           Alarm IN         No           Alarm IN         No           Alarm OUT         No           Video Output Resolution         1920×1080, 1280×1024, 1280×720, 1024×768           PTZ control         FLIR IP PTZ cameras only           Display         4ch: 1, 4 / 8ch: 1, 4, 8           Live Display Speed         4ch: 120 NTSC, 100 PAL / 8ch: 240 NTSC, 200 PAL           OSD         ON/OFF           System Navigation         USB Mouse           Motion Area Setting         Adjustable 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           Record Ing         Pack 1 (24) (24) (24) (24) (24) (24) (24) (24)		A sh. A Do E Video Innut / O sh. O Do E Video Innut
VGA OUT         Yes           HDMI         Yes           Audio IN         1 Line IN (RCA) for two-way audio           Audio OUT         1 Line OUT (RCA) for two-way audio           USB Port         4ch: 2 at the back           8ch: 1 at the back, 1 at the front           Alarm IN         No           Alarm OUT         No           Video Output Resolution         1920×1080, 1280×1024, 1280×720, 1024×768           PTZ control         FLIR IP PTZ cameras only           Display         4ch: 1, 4 / 8ch: 1, 4 , 8           Live Display Speed         4ch: 120 NTSC, 100 PAL / 8ch: 240 NTSC, 200 PAL           OSD         ON/OFF           System Navigation         USB Mouse           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         Automatic over the Internet & via USB device and network           User Authority         By user group           Time Synchronization         Automatic over the Internet & via USB device and network           User Ompression         G. 7:11           Recording         1,264		
HDMI	* * * * * *	
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Audio OUT  1 Line OUT (RCA) for two-way audio  4ch: 2 at the back 8ch: 1 at the back 1 at the back 8ch: 1 at the back 1 at the front 1 No		
USB Port		
Record Rate		·
Alarm OUT		8ch: 1 at the back, 1 at the front
Video Output Resolution	•	
PTZ control   FLIR IP PTZ cameras only		· · · · · · · · · · · · · · · · · · ·
Live Display	<u>'</u>	
Live Display   Ach: 1, 4 / 8ch: 1, 4 / 8ch: 240 NTSC, 200 PAL		FLIR IP PTZ cameras only
Live Display Speed	Display	
OSD System Navigation Motion Area Setting 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 Recording Video Compression Record Rate Audio Compression Record Rate  NTSC: 4ch: 120FPS @ 720P / 1080P / 3MP / 5MP Bch: 240FPS @ 720P / 1080P / 3MP / 5MP Bch: 240FPS @ 720P / 1080P / 3MP / 5MP Bch: 240FPS @ 720P / 1080P / 3MP / 5MP Bch: 240FPS @ 720P / 1080P / 3MP / 5MP Bch: 240FPS @ 720P / 1080P / 3MP / 5MP Bch: 200FPS @ 720P /	· '	
System Navigation   USB Mouse	Live Display Speed	4ch: 120 NTSC, 100 PAL / 8ch: 240 NTSC, 200 PAL
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Time Synchronization Recording Video Compression Resolution Resolution Record Rate Record		Automatic over the Internet & via USB device and network
Name		
Video Compression Audio Compression G.711 Resolution Provided Factor Rate Record Rate Record Rate Record Rate Record Resolution Record		Auto time sync by NTP server
Audio Compression  Resolution  720P (1280x720), 1080P (1920x1080), 3MP (2028x1536), 5MP (2560x1920)  Record Rate  NTSC: 4ch: 120FPS @ 720P / 1080P / 3MP / 5MP 8ch: 240FPS @ 720P / 1080P / 3MP / 5MP 8ch: 200FPS @ 720P / 1080P / 3MP 8ch: 200FPS @ 2		
Resolution  720P (1280x720), 1080P (1920x1080), 3MP (2028x1536), 5MP (2560x1920)  Record Rate  NTSC: 4ch: 120FPS @ 720P / 1080P / 3MP / 5MP 8ch: 240FPS @ 720P / 1080P / 3MP / 5MP 8ch: 240FPS @ 720P / 1080P / 3MP / 5MP 8ch: 200P / 3MP / 5MP 8ch: 200PS @ 720P / 1080P / 3MP / 5MP 8ch: 200P / 3MP 8ch: 200P / 3MP / 5MP 8ch: 200P / 3MP 8ch: 200P / 3MP 8ch: 200P / 3MP 8ch: 200P / 3MP 8c	<u> </u>	
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8ch: 240FPS @ 720P / 1080P / 3MP / 5MP PAL: 4ch: 100FPS @ 720P / 1080P / 3MP / 5MP 8ch: 200FPS @ 720P / 1080P / 3MP 8ch: 200FPS @ 720P / 1080P 8ch: 200FPS @ 720P / 1080P 8ch: 200FPS @ 720P / 1080P 8ch: 200FPS @ 720P 8ch: 200FPS @ 720P 8ch: 200FPS @ 720P 8ch: 200FPS @ 720P 8ch: 200F	Resolution	
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Record Schedule Pre Recording Max. 30 Seconds Post Recording Max. 5 Minutes Reliability Watch-Dog, auto-recovery after power failure Covert Video Playback and Backup Playback Channel Playback Speed Playback Players Search Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss Audio Play Storage & Archive Storage 4/8 ch: Up to 1 HDD (SATA) Maximum Capacity Amax. 5 Minutes Max. 30 Seconds Max. 5 Minutes Max. 5 Minutes Max. 6 Minutes  Watch-Dog, auto-recovery after power failure Yes Playback And Backup Yes Search Playback Channel Variable Max 16x Playback Player Backup Player Search Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss Audio Play Yes (audio camera required) Storage 4/8 ch: Up to 1 HDD (SATA) Maximum Capacity USB flash drive, HDD, & Network	Record Resolution Setting	
Record Schedule Pre Recording Max. 30 Seconds Post Recording Max. 5 Minutes Reliability Watch-Dog, auto-recovery after power failure Covert Video Playback and Backup Playback Channel Playback Speed Playback Players Search Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss Audio Play Storage & Archive Storage 4/8 ch: Up to 1 HDD (SATA) Maximum Capacity Amax. 5 Minutes Max. 30 Seconds Max. 5 Minutes Max. 5 Minutes Max. 6 Minutes  Watch-Dog, auto-recovery after power failure Yes Playback And Backup Yes Search Playback Channel Variable Max 16x Playback Player Backup Player Search Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss Audio Play Yes (audio camera required) Storage 4/8 ch: Up to 1 HDD (SATA) Maximum Capacity USB flash drive, HDD, & Network		6 Levels
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Covert Video  Playback and Backup  Playback Channel  Playback Speed  Playback Players  Search  Log Search  Log Search  Log Search  Log Search  Storage & Archive  Storage  4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity  Playback Player  Yes  Audio Play  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye		
Playback and Backup       Playback Channel     4ch / 8ch: 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     4/8 ch: Up to 1 HDD (SATA)       Maximum Capacity     4/8 ch: Up to 1 x 4TB       Backup Media     USB flash drive, HDD, & Network	,	
Playback Channel  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  Storage & Archive  Storage  4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity  Aution Play  Maximum Capacity  Aution Play  Storage  4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity  USB flash drive, HDD, & Network		
Playback Speed  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  Storage & Archive  Storage  4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity  August Player  Very (audio camera required)  4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity  4/8 ch: Up to 1 x 4TB  Backup Media  USB flash drive, HDD, & Network		4ch / 8ch: 1 / 4
Playback Players  Search  By time & event  Log Search  Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss  Audio Play  Storage & Archive  Storage  4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity  A/8 ch: Up to 1 x 4TB  Backup Media  By time & event  Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss  Yes (audio camera required)  4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity  USB flash drive, HDD, & Network	•	
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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 4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity 4/8 ch: Up to 1 x 4TB  Backup Media USB flash drive, HDD, & Network	, ,	
connects/disconnects and video loss  Audio Play  Storage & Archive  Storage  4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity  A/8 ch: Up to 1 x 4TB  Backup Media  USB flash drive, HDD, & Network		·
Storage & ArchiveStorage4/8 ch: Up to 1 HDD (SATA)Maximum Capacity4/8 ch: Up to 1 x 4TBBackup MediaUSB flash drive, HDD, & Network	<u> </u>	connects/disconnects and video loss
Storage 4/8 ch: Up to 1 HDD (SATA)  Maximum Capacity 4/8 ch: Up to 1 x 4TB  Backup Media USB flash drive, HDD, & Network	,	Yes (audio camera required)
Maximum Capacity  4/8 ch: Up to 1 x 4TB  Backup Media  USB flash drive, HDD, & Network		
Backup Media USB flash drive, HDD, & Network		
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Backup File Format DAV or ASF file		
	Backup File Format	DAV or ASF file

### 4 Channel Model



### 8 Channel Model





## **Specifications**

NVR Specifications Cont. Connectivity	DNR110/P Series
Cloud Connection	FLIR Cloud™
Supported Operating Systems	Windows™, Mac OS
Remote Software	Client Software (PC/Mac)
Email Notification	Text with snapshot
Instant Smart Phone & Tablet Support	iPad <sup>®</sup> , iPhone <sup>®</sup> , Android™
DDNS	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-Base-TX, RJ-45
Network Bit Rate	80Mbs total 48~8192kbps per camera
IP Cameras Supported	FLIR
NVR General Information	
Power Consumption	4ch: 10 watts (No HDD Installed) 8ch: 12 watts (No HDD Installed)
Supply Voltage	4ch: 100VAC-240VAC, 48V DC, 1.5A, 50/60Hz 8ch: 100VAC-240VAC, 48V DC, 2A, 50/60Hz
Total PoE Power Output (across all channels)	4ch: 50W (Max 25W per Camera) 8ch: 120W (Max 25W per Camera)
Unit Weight	4ch:: 1.1lbs / 0.5kg (without HDD) 8ch:: 1.5lbs / 0.7kg (without HDD)
Dimensions (W x H x D)	4ch: 8.1 x 1.8 x 8.1" / 205 x 45 x 205mm 8ch: 10.6 x 1.8 x 8.1" / 270 x 45 x 205mm
Operating Temperature	14° ~ 131° F / –10° ~ 55° C
Humidity	10 ~ 90% NC

#### **Ordering Information**

#### NTSC models

DNR114P0: 8-41430-01127-9 (4ch, no HDD)
DNR1141: 8-41430-01361-7 (4ch, 1TB HDD)
DNR114P2: 8-41430-01128-6 (4ch, 2TB HDD)
DNR118P1: 8-41430-01125-5 (8ch, no HDD)
DNR118P2: 8-41430-01362-4 (8ch, 1TB HDD)
DNR1182: 8-41430-01363-1 (8ch, 2TB HDD)

#### PAL models

DNR114P0P: 8-41430-01215-3 (4ch, no HDD) DNR114P2P: 8-41430-01234-4 (4ch, 2TB HDD) DNR118P0P: 8-41430-01313-6 (8ch, no HDD) DNR118P2P: 8-41430-01314-3 (8ch, 2TB HDD)

### Package Dimensions

DNR114 Series:  $14.3 \times 3.7 \times 10.2''$  /  $362 \times 95 \times 260$  DNR118 Series:  $16.75 \times 3.75 \times 10.25''$  /  $426 \times 95 \times 260$ 

#### 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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