FLIR IP™

FULL HD PoE NVR SYSTEM

DN1142E43/P
4 Cameras, 4 Channels, 2TB HDD

The FLIR Full HD PoE NVR System combines 3MP HD video recording with high-capacity storage and simple remote viewing for powerful, affordable security. Installation is made easy with the NVR's 4× integrated PoE ports and auto-detection of IP cameras upon connection. With high performance video processing, the NVR supports 3MP recording with the included eyeball dome cameras on every channel.

HIGH PERFORMANCE VIDEO PROCESSING
Powerful video recording & processing speed

- 80Mbps network bit rate processing

- Supports high definition recording up to 4MP

- Pentaplex operation – simultaneous viewing, recording, playback, backup & remote monitoring

EASY INSTALLATION
Integrated PoE inputs for quick, convenient connection

- 4 integrated PoE ports with PoE+ support

- 50W total PoE (up to 25W per channel)

- Auto-discovery of FLIR IP cameras with no programming

3MP CAMERAS INCLUDED
3MP HD recording for superior image detail

- **PE133E/P** – 3MP (2048×1536) @ 25fps, 75° (H) field of view, 75ft (23m) IR night vision range

- 3-axis design for easy wall / ceiling mounting

- IP66 weatherproof rated & cold climate capable (-22°F / -30°C)

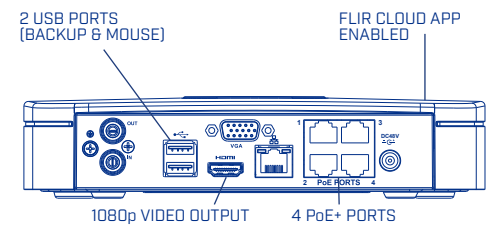## QUICK & SECURE REMOTE VIEWING
Remote access via iOS, Android, PC & Mac with FLIR Cloud™

- Set up remote viewing in 3 easy steps: install FLIR Cloud™ app, scan QR code on NVR, and start viewing live video

- Multisite viewing with FLIR Cloud™ CMS for PC & Mac

FLIR Cloud™
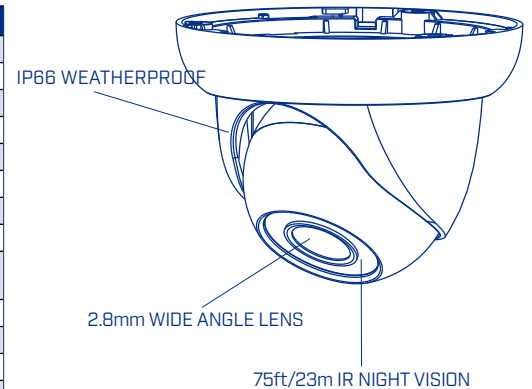
◆FLIR® | The World's Sixth Sense®

Specifications

NVR Specifications	DN1142E43/P
System	
Operating System	Linux (embedded)
Pentaplex	Simultaneous view, record, playback, backup & remote monitoring
Number of Channels	4
Inputs/Outputs	
Video IN	4× PoE Video Input
Video OUT	Yes
VGA OUT	Yes
HDMI	Yes
Audio IN	1 channel (RCA), supports 2-way audio
Audio OUT	1 channel (RCA), supports 2-way audio
USB Port	2 at the back
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	
Live Display	1, 4
Live Display Speed	120 NTSC, 100 PAL
OSD	ON/OFF
System Navigation	USB mouse
Motion Area Setting	Adjustable grid (22×18)
Sensitivity	100
Firmware Upgrade	Automatic over the Internet & via USB device / network
User Authority	By user group
Time Synchronization	Auto time sync by NTP server
Recording	
Video Compression	H.264
Recording Resolution	720p (1280×720) / 1080p (1920×1080) / 3MP (2048×1536) / 4MP (2688×1520)
Recording Frame Rate	NTSC: 120fps @ 720p / 1080p / 3MP / 4MP PAL: 100fps @ 720p / 1080p / 3MP / 4MP
Recording Resolution Setting	Per camera for different resolutions
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	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	1 HDD (SATA)
Maximum Capacity	Up to 4TB
Backup Media	USB flash drive & HDD & network
Backup File Format	DAV or ASF file

2 USB PORTS (BACKUP & MOUSE)

FLIR CLOUD APP ENABLED

1080p VIDEO OUTPUT

4 PoE+ PORTS

◆FLIR® | The World's Sixth Sense®

Specifications

NVR Specifications	DN1142E43/P
Connectivity	
Cloud Connection	FLIR Cloud™
Supported Operating Systems	Windows™, Mac OS
Remote Software	Client Software (PC / Mac)
Email Notification	Text with snapshot
Instant Smartphone & Tablet Support	iPad®, iPhone®, Android™
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 Interface	10/100-Base-TX, RJ-45
Network Speed Control	80Mbps total 48 ~ 8192Kbps per camera
IP Cameras Supported	FLIR
NVR General Information	
Power Consumption	Approx. 10 watts (No HDD Installed)
Supply Voltage	100VAC-240VAC, 48V DC, 1.5A, 50/60Hz
Unit Dimensions (W × D × H)	8.1 × 1.8 × 8.1″ / 205 × 45 × 205mm
Unit Weight	1.1lbs / 0.5kg (without HDD)
Operating Temperature	14° ~ 131° F / -10° ~ 55° C
Humidity	10 ~ 90% NC

Camera Specifications	PE133E/P
Image Sensor	1/3" 3MP
Video Format	NTSC / PAL
Effective Pixels	H: 2304 × V: 1536
Image Type	CMOS
Image Readout	Progressive Scan
Day/Night	Auto (ICR) / Color / B/W
Day/Night Delay Adjustment	Yes
Mechanical IR Filter	Yes
Min. Illumination	0.7 lux @ F2.2 (Color) 0.4 lux @ F2.2 (B/W)
S/N Ratio	≥56dB (AGC OFF)
Horizontal Field of View	75°
IR Illumination Range	75ft / 23m
IR Wavelength	850nm
IR ON/OFF Control	Yes
Video Output	IP
Electronic Shutter Range	1/3 (1/4) ~ 1/100,000 seconds
Optical	
Lens Type	Fixed Lens
Lens Mount	Board Type
Iris Type	Fixed Iris
Focal Length	2.8mm
F-Number	F2.0
Focus	Fixed

IP66 WEATHERPROOF

2.8mm WIDE ANGLE LENS

75ft/23m IR NIGHT VISION

FLIR® | The World's Sixth Sense®

Specifications

Camera Specifications Cont.	PE133E/P
Video	
Video Compression	H.264 / MJPEG
Video Streams	H.264 / MJPEG Dual Stream
Resolution Selection	3MP (2048×1536) / 1080p (1920×1080) / 720p (1280×720) / D1 (704×576/704×480) / CIF (352×288/352×240)
Aspect Ratio	4:3
Frame Rates (MAX)	3MP @ 25fps / 1080p/720p @ 25/30fps
Bit Rate Control	CBR / VBR
Bit Rate Selection	H.264: 16K ~ 8Mbps
Quality Setting Range (Default)	1-6 (6)
Region of Interest	No
Dynamic Range	Up to 55dB
Wide Dynamic Range	D-WDR
Backlight Compensation	BLC / HLC
White Balance	Auto / Manual
Gain Control	Auto / Manual
Noise Reduction	3D-DNR
Smart IR	Yes, User Adjustable
Image Stabilization	No
Digital Zoom	10×
Tamper Protection	Yes
Adaptive Lens Correction (ALC)	No
Video Mirroring / Rotation	Horizontal Mirror / Vertical Flip
Video Overlay	Time / Date / Camera / Custom
Window Blanking (Privacy)	Up to 4 Areas
Menu Languages	English
Network	
Protocols	IPv4/IPv6, HTTP, TCP/IP, ARP, UDP, UPnP, RTSP, RTP, SMTP, NTP, DHCP, DNS, DDNS, FTP, QoS
ONVIF Conformance	Profile S
RTSP Video	Standard RFC2326, Support QuickTime / VLC Player
Unicast Users	Up to 10
Multicast Users	Up to 30
Mechanical	
Construction	Aluminum Alloy
Product Dimensions (D × H)	3.8 × 2.8" / 95 × 51mm
Product Weight	0.85lbs / 0.42kg
Electrical	
Network Port	RJ45, 10/100 Base-T
Power Input	12V DC
Power over Ethernet (PoE) Type	PoE (802.3af)
Power Consumption	2.8W MAX
Current Consumption	230mA MAX
Edge Storge	No
Built-in Heater	No
Alarm I/O	No
Environmental	
Storage Temperature	-40° ~ 140°F / -40° ~ 60°C
Storage Humidity	>95% RH
Operating Temperature	-22° ~ 140°F / -30° ~ 60°C
Operating Humidity	>95% RH
Cold Start Temperature	-22°F / -30°C
Ingress Protection	IP66
Certification	
Certifications	CE / FCC

Ordering Information

DN1142E43:   8-41430-01396-9

Package Dimensions

14.9 × 9.5 × 11" / 378 × 241 × 279mm

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

◆FLIR® | The World's Sixth Sense®