Rev up your HD recording with the fully-loaded Turbo Powered 8 channel NVR & 8 IP Camera bundle solution from FLIR. The DN308P28 utilizes a superior horsepower 160 Mbps NVR throughput to enable real-time recording on all 8 channels at Full HD 1080p resolution. The system is simple to connect with 8 integrated PoE inputs and automatic discovery of the IP Cameras - no configuration required.

The outstanding value bundle includes 8 Mini IR Bullet IP Cameras with 2.1 MP resolution providing crystal clear 1080p picture quality that rivals your HDTV and facilitates accurate identification. The cameras are ideal for indoor or outdoor use with their compact size, robust weatherproof housing and 70ft IR night vision.

The Full HD PoE IP Security Bundle offers the most convenient, comprehensive and user-friendly NVR + IP Camera solution. Stay connected with an outstanding suite of mobile apps available for iPhone, iPad and Android in addition to PC and Mac. The NVR includes a 2TB HDD for bonus storage. For managing multi-NVR applications, a powerful 64 Channel CMS is included.
NVR Features

- Easy Connection and setup with 8 integrated Power over Ethernet (PoE) ports and auto-discovery of IP Cameras
- Full HD 1080P recording provides the most detailed picture and reliable identification with selectable area digital zoom
- Record 8 cameras in Real-Time (30 fps per channel) at 1080p Full HD quality
- Turbo Powered recording bit rate of 160Mbps
- Dual streaming (H.264) and dual core processing
- ONVIF 2.1 conformance
- 64 Channel CMS by FLIR included
- Fully PC/Mac compatible
- Mobile apps: iPhone, iPad, Android
- Advanced mobile app features: remote playback, push notifications for motion/alarm, E-map, manual record/snapshot to device
- HDMI/VGA/BNC simultaneous video output
- Free DDNS service by FLIR with secure and redundant servers
- Supports 2x SATA HDDs up to 3TB (6 TB total), 2 x USB 2.0 ports
- Audio I/O: 1 in -1 out
- 5/3/1 Fortress Vision warranty

Mini IR Bullet IP Camera Features

- 2.1 MP HD, 1/2.5” Sony Exmor™ CMOS Progressive Scan
- 1080p picture quality at realtime (30 fps)
- Onvif 2.1 compliant (backwards compatible)
- Compatible with popular third party VMS software
- Dual streaming (H.264/MJPEG)
- 64 channel CMS by FLIR included
- Power-over-Ethernet (PoE), 14Watt max/12V operation
- Mobile Apps – iPhone, iPad, Android
- Compact size with rugged aluminum weatherproof housing
- 3.6mm wide angle lens
- 70ft IR Night Vision/TDN
- Cable through bracket design
- Free DDNS service by FLIR
- Multi-browser support: IE, Firefox, Safari, Chrome
- Advanced Digital Noise Reduction
- 3 year warranty

Includes:

- 8 Channel Network Video Recorder
- 8 x Mini Bullet IP Cameras
- USB Mouse
- 2TB HDD
- Remote Control
- 2 x Power Adapters
- Ethernet Cable
- Quick Start Guides
- CD (Software & Manual)

flirsecurity.com/pro
## Specifications

### NVR System
- **Main Processor:** Dual-core embedded processor
- **Operating System:** Embedded LINUX
- **Pentaplex Operation:** Simultaneous View, Record, Playback, Backup, and Remote Monitoring

### Inputs/Outputs
- **IP Camera Input:** 8 channel
- **Power over Ethernet (PoE):** 8 integrated PoE ports
- **Audio:** 1 channel input (BNC), 1 channel output (BNC)
- **PTZ:** RS-485, supports Pelco-D and Pelco-P
- **USB:** 2 ports
- **Alarm Input:** 8 Channel
- **Relay Out:** 3 Channel

### Display
- **Interface:** 1 HDMI, 1 VGA, 1 BNC
- **Resolution:** 1920×1080, 1280×1024, 1280×720, 1024×768
- **OSD:** Camera title, Time, Camera Lock, Motion Detection, Recording Status

### Recording
- **Compression:** H.264
- **Resolution:** 1080P (1920×1080) / 720p (1280x720)
- **Record Rate:** 240fps@1080p
- **Bit Rate:** 160Mbps
- **Record Mode:** High Quality Stream/Sub-Stream Recording: Manual, Schedule, Motion Detection, Alarm
- **Record Interval:** 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec

### Video Detection and Alarm
- **Trigger Events:** Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer & Screen tips
- **Video Detection:** Motion Detection

### Playback and Backup
- **Sync Playback:** 1/4/8
- **Playback Function:** 8 Channel
- **Backup Mode:** USB Device / Network
- **Configuration Backup:** To USB Device

### Network
- **Ethernet:** 1 Ethernet (10/100 Base-T) RJ-45 Connector
- **TCP/IP:** IPv4/I Pv6
- **Compliance:** Onvif 2.1
- **Max. User Access:** 10 users
- **Smart Phone:** iPhone, iPad, Android
- **Protocol:** IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, RTP, RTSP, RT, RTMP, TCP, UPnP, IGMP, IGMP, SNMP, DDNS, FTP, Telnet, SMTP, NTP, DHCP, DNS, IP Filter, QoS, Bonjour

### General
- **Power:** 12v DC, <6W
- **Power over Ethernet:** PoE Class 3, 14W max, 802.3af
- **Operating Temperature:** 14°F to 122°F / -10°C to 60°C
- **Operating Humidity:** 10% - 85% RH
- **Approvals:** CE/RoHS Compliant/IPv6
- **Camera Weight:** 0.4kg

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### IP Camera
- **Sensor/DSP:** 2.1 MP, Sony Exmor™ 1/2.5” CMOS
- **Scanning System:** Progressive Scan
- **Day/Night:** True Day/Night with ICR Filter. High Powered IR LEDs
- **Resolutions/frame rate:** T920x1080 Full HD 2.1MP @ 30fps
- **Min. Illumination:** Color: 0.1 lux @ F1.2/0 Lux IR LED On
- **Lens:** 3.6mm Fixed Mega Pixel
- **Field of View (H/V/D):** 77°/54°/100.2°
- **IR LED:** 32 LEDs
- **IR Distance:** 70 feet/22 Meters
- **Video Output:** RJ45, Setup
- **Electronic Shutter Speed:** Auto/Manual, 1/4–1/10000s
- **S/N Ratio:** >50dB

### Video
- **Compression:** H.264 / MJPEG
- **Bit Rate:** H.264: 32K ~ 8192Kbps, MJPEG: 32K ~ 20480Kbps
- **Frame Rate:** Main Stream 1080P/720P (1~30fps)
- **Multi-Streaming:** Sub stream D1/CIF (1~30fps)
- **Resolution:** 1080P(1920×1080) / 720P(1280×720) / D1(704×480) / CIF (352×240)
- **Backlight Compensation:** BLC / HLC / DWDR
- **White Balance:** Auto
- **Noise Reduction:** 2D
- **Privacy Masking:** Up to 4 areas

### Storage
- **SATA ports:** 2 internal SATA ports (2HDDs)
- **Maximum Storage Capacity:** 6TB (2 x 3TB) internal

### Dimensions
- **Weight:** 2.3kg / 5.1lbs

### Power
- **Power Supply:** 1x 12V DC 5A (for NVR); 1x 48V DC 2.5A (for PoE)
**Package Dimensions**

- **Weight:** 9.3kg/20.6lbs
- **Package Dimensions:** 452 x 406 x 274mm / 17.8 x 16 x 10.8”
- **Cube:** 0.0503 Cubic Metres / 1.78 Cubic Feet

**NVR Dimensions**

- Front: 375mm/14.8”
- Side: 285mm/11.2”
- Power (for NVR): 50mm/2.0”

**NVR Back Panel**

- Power (PoE)
- Network (LAN)
- Video Out
- RS232
- Alarm In/Out
- Power Switch
- PoE Video In x8
- Mic In/Out
- VGA
- HDMI
- USB Port
- Power (for NVR)

**Product Information**

- **UPC:** 8-41430-00897-2
- **Includes:** NVR, Mini IR Bullet IP Cameras (x8), 1 x 2TB HDD, USB mouse, remote control, power adapters (x2), ethernet cable, quick start guide, CD (software & manual)

**IP Camera Dimensions**

- 2.6” / 66mm
- 2.6” / 66mm
- 2.6” / 66mm
- 6.3” / 160mm
- 3.3” / 85mm