**M3104E2C4 / M3104E2C4P**
4 cameras, 4 channels, 2TB HDD

**M3108E3C8 / M3108E3C8P**
8 cameras, 8 channels, 3TB HDD

**FLIR** Cloud™

# FLIR MPX™

## Megapixel Over Coax Security Systems

The FLIR MPX M3100E Series Bundles use the latest HD-CVI technology, giving you the flexibility to upgrade security systems to HD resolution using an existing coax cable. Ideal for retrofit, upgrading to HD is now easier than ever. The included dome cameras boast full 1080p HD resolution with IR night vision. Plus, download the FLIR Cloud app and take advantage of remote access anywhere you go via iOS, Android, PC or Mac devices.

### HIGH DEFINITION QUALITY
*Experience outstanding Megapixel resolution*

- 1/2.7" 2.1MP IR dome cameras included, 3.6mm lens

- 720p (1280x720) resolution @ real-time (25/30fps per channel), 1080p (1920×1080) @ 15fps

- IR night vision range up to 70ft (21m)

### EASY INSTALLATION
*Ideal for retrofit – upgrade to HD over existing coax*

- Standard BNC connection – no networking complexities

- Upgrade analog systems to HD without the expense of re-cabling

- All-in-one DVR & Camera bundle  includes the full system plus HDD

### SUPERIOR PERFORMANCE
*Zero latency and extended cable runs*

- Smooth real-time viewing with zero video latency

- Extended cable runs of up to 2300ft (700m)

- Two-way communication over coax allows for easy connection and control of PTZ cameras (PTZ cameras sold separately)

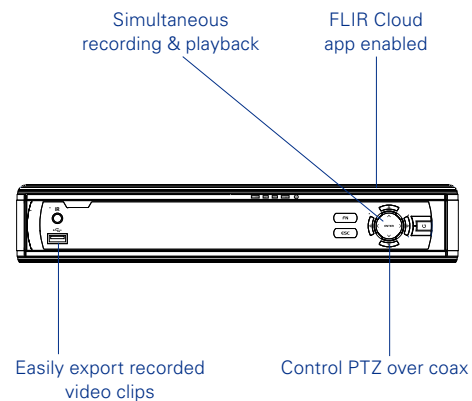### FLIR CLOUD – QUICK & SECURE REMOTE VIEWING
*Remote access via iOS, Android, PC / Mac with FLIR Cloud*

- Set up remote viewing in three easy steps: install FLIR Cloud app, scan QR code on DVR, view live video
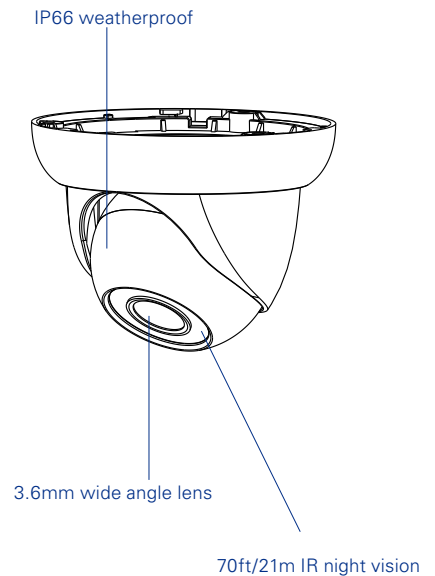
- Multisite viewing on FLIR Cloud CMS for PC / Mac

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## Specifications

| DVR Specifications | M3104E2C4/P | M3108E3C8/P |
|---|---|---|
| **System** | | |
| Operating System | Linux (embedded) | |
| Pentaplex | Simultaneous view, record, playback, backup & remote monitoring | |
| Number of Channels | MPX Cameras Required | |
| **Inputs/Outputs** | | |
| Video IN | 4/8/16 x 1Vp-p,  BNC | |
| Video OUT | Yes,1 VGA & 1 HDMI | |
| VGA OUT | Yes | |
| HDMI | Yes | |
| Audio IN | Audio IN 1 channel (RCA), supports 2-way talk | |
| Audio OUT | Audio OUT 1 channel (RCA), supports 2-way talk | |
| USB Port | 1 at the back, 1 at the front | |
| Alarm IN | None | |
| Alarm OUT | None | |
| Video Output Resolution | 1920x1080 (HDMI), 1280x1024, 1024x768 | |
| PTZ Control | RS-485 Pelco D & P Protocol | |
| **Display** | | |
| Live Display | 1, 4 | 1, 4, 8 |
| Live Display Speed | 120 NTSC, 100 PAL | 240 NTSC, 200 PAL |
| OSD | ON/OFF | |
| System Navigation | USB mouse, IR remote controller, front panel | |
| Motion Area Setting | Fixed grid 396 (22x18) NTSC&PAL | |
| Sensitivity | 100 | |
| Firmware Upgrade | Via  USB device / Network | |
| User Authority | By user group | |
| Time Synchronization | Auto time sync by NTP server | |
| **Recording** | | |
| Video Compression | H.264 | |
| Audio Compression | G.711 | |
| Recording Resolution* | NTSC: 1080p (1920x1080), 720p (1280x720), 960x480, 704x480, 352X480, 704x240, 352x240, 176x120 PAL: 1080p (1920x1080), 720p (1280×720), 960×576, 704×576, 352×288, 176×144 | |
| Recording Resolution Setting | Per camera for different resolutions | |
| Recording Quality Control | 5 levels | |
| Recording Schedule | By hour, by day, by recording mode, by motion, by alarm, by channel | |
| Pre Recording | Max. 30 Seconds | |
| Post Recording | Max. 5 min  / Min. 10 Sec | |
| Reliability | Watch-Dog, auto-recovery after power failure | |
| Covert Video | Yes | |
| **Playback** | | |
| Playback | 1 / 4 | 1 / 4 / 8 |
| Playback Speed | Variable max 4x | |
| Playback Players | Backup Player | |
| Search | By Time/Date, MD & Exact search (accurate to second) | |
| Log Search | Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss | |
| Audio Play | Yes | |
| **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 | |

\* 1080p MPX cameras are required to take advantage of 1080p recording. You may need to upgrade the DVR firmware to enable 1080p recording.

Simultaneous recording & playback

FLIR Cloud app enabled

Easily export recorded video clips

Control PTZ over coax

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# Specifications

| DVR Specifications Cont. Connectivity | M3104E2C4/P | M3108E3C8/P |
|---|---|---|
| Cloud Connection | FLIR Cloud™ | |
| Supported Operating Systems | Windows™, Mac OSX | |
| Remote Software | Client Software (PC) & Safari (Mac) | |
| Email Notification | Text with snapshot | |
| Instant Smart Phone & Tablet Support | FLIR Cloud™ iPad®, iPhone®, Android™ apps | |
| 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-Base-TX, RJ-45 | |
| Network Speed Control | 96Kb ~ 4096kb/sec. per camera | |
| **DVR General Information** | | |
| Power Consumption | Approx. 10 watts (No HDD Installed) | |
| Supply Voltage | 100VAC-240VAC, 12VDC, 2A, 50/60Hz | |
| Unit Dimensions (W x D x H) | 12.8 x 10 x 2.2" / 325 x 255 x 55mm | |
| Unit Weight | 3.3 lb / 1.5 kg (without HDD) | |
| Operating Temperature | 14° ~ 131° F / -10° ~ 55° C | |
| Humidity | 10 ~ 90% RH | |
| **Camera Specifications** | | |
| Image Sensor | 1/2.7" 1080p, 2MP CMOS | |
| Video Format | NTSC / PAL | |
| Effective Pixels | H: 1920 V: 1080 | |
| Resolution | Digital: 1080p, Analog: 960H | |
| Scan System | Progressive | |
| Sync System | Internal | |
| S / N Ratio | 50dB (AGC Off) | |
| Iris | AES | |
| AES Shutter Speed | 1/60 ~ 1/100,000 sec. | |
| Min. Illumination | 0.01 LUX (IR Off) 0 LUX (IR LEDs On) | |
| Video Output | Composite 1.0Vpp @ 75ohm | |
| Lens Focal Length / Type | 3.6mm F1.2 / Fixed | |
| FOV (Diagonal) | 90° | |
| Termination | BNC Type | |
| IR Range / Qty. | 70ft / 21m; 12 IR LEDs | |
| Power Requirement | 12V DC ± 10% | |
| Power Consumption | 200mA MAX with IR LED | |
| Operating Temp. Range | −22° ~ 140°F / −30° ~ 60°C | |
| Environmental Rating | IP66 | |
| Dimensions | Diameter: 3.7" (94mm) Height: 3.1" (79mm) | |
| Weight (including stand) | 0.7lbs / 0.3kg | |

IP66 weatherproof

3.6mm wide angle lens

70ft/21m IR night vision

## Ordering Information

**NTSC Models**
M3104E2C4:  8-41430-01226-9
            4 cameras
            4 channels
            2TB HDD
M3108E3C8:  8-41430-01337-2
            8 cameras
            8 channels
            3TB HDD

**PAL Models**
M3104E2C4P: 8-41430-01339-6
            4 cameras
            4 channels
            2TB HDD
M3108E3C8P: 8-41430-01340-2
            8 cameras
            8 channels
            3TB HDD

## Package Dimensions

M3104E2C4/P: 15.3 x 10x 12.5" /
             389 x 254 x 318mm
M3108E3C8/P: 14.7 x 15.3 x 12.6" /
             446 x 389 x 320mm

flir.com/security

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