FLIR’s M3200 Series DVRs use the latest HD-CVI technology, giving you the flexibility to upgrade your security systems to HD resolution using existing coax cabling. With support for both HD resolution MPX cameras plus standard analog cameras, the DVR is ideal for retrofit applications. MPX also facilitates advanced features previously unavailable over a coax cable including duplex transmission for PTZ control, audio transmission, and extended distance cable runs up to 2300 ft.

**HIGH DEFINITION QUALITY**
*Experience outstanding Megapixel resolution*
- 720p (1280x720) resolution @ Real-time (30/25fps per channel)
- 1080p (1920 x 1080) resolution @ 15/12fps per channel
- See double the detail of 960H, MPX format is compatible with HD-CVI

**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
- Cloud platform will offer premium services to receive Video Surveillance as a Service (VSaaS)
### Specifications

#### DVR Specifications

**System**
- Operating System: Linux (embedded)
- Pentaplex: Simultaneous view, record, playback, backup & remote monitoring

#### Inputs/Outputs

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video IN</td>
<td>4/8/16 x 1Vp-p, CVBS, 75ohms, BNC</td>
</tr>
<tr>
<td>Video OUT</td>
<td>No</td>
</tr>
<tr>
<td>VGA OUT</td>
<td>Yes</td>
</tr>
<tr>
<td>HDMI IN</td>
<td>Yes</td>
</tr>
<tr>
<td>Audio IN</td>
<td>4 channel, RCA</td>
</tr>
<tr>
<td>Audio OUT</td>
<td>1 channel, RCA</td>
</tr>
<tr>
<td>USB Port</td>
<td>USB 2.0 x 2 (1 at the back, 1 at the front)</td>
</tr>
<tr>
<td>Alarm IN</td>
<td>4 ch: 4 Alarm IN, 8 ch: 8 Alarm IN, 16 ch: 16 Alarm IN</td>
</tr>
<tr>
<td>Alarm OUT</td>
<td>3 Alarm OUT</td>
</tr>
<tr>
<td>Video Output Resolution</td>
<td>1920x1080 (HDMI), 1280x1024, 1024x768</td>
</tr>
</tbody>
</table>

#### Display

- **Live Display**
  - 4 ch: 1, 4
  - 8 ch: 1, 4, 8
  - 16 ch: 1, 4, 8, 9, 16

- **Live Display Speed**
  - 4 ch: 120 NTSC, 100 PAL
  - 8 ch: 240 NTSC, 200 PAL
  - 16 ch: 480 NTSC, 400 PAL

- **OSD**
  - Camera title, time, video loss, camera lock, motion detection, recording

- **System Navigation**
  - USB mouse, IR remote controller, front panel

- **Motion Area Setting**
  - Adjustable grid (22x18)

- **Sensitivity**
  - 100

- **Firmware Upgrade**
  - Automatic over the Internet & via USB device and network

- **User Authority**
  - By user group

#### Recording

- **Video Compression**
  - H.264

- **Audio Compression**
  - G.711

- **Recording Resolution**
  - NTSC: 1920x1080 (1080p), 1280x720 (720p), 960x480 (960H), 704x480 (D1), CIF (352x240) (D1), CIF (352x288)
  - PAL: 1920x1080 (1080p), 1280x720 (720p), 960x576 (960H), 704x576 (D1), CIF (352x288)

- **Recording Frame Rate (FPS)**
  - NTSC: 4 ch: 60 @ 1080p / 120 @ 720p, 8 ch: 120 @ 1080p / 240 @ 720p, 16 ch: 240 @ 1080p / 480 @ 720p
  - PAL: 4 ch: 48 @ 1080p / 100 @ 720p, 8 ch: 96 @ 1080p / 200 @ 720p, 16 ch: 192 @ 1080p / 400 @ 720p

- **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

- **Playback**
  - Single channel or quad playback

- **Playback Speed**
  - Variable Max 4x

- **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

#### Storage & Archive

- **Storage**
  - Up to 2 HDD’s (SATA)

- **Maximum Capacity**
  - Up to 2x4TB

- **Backup Media**
  - USB flash drive, HDD & network

- **Backup File Format**
  - DAV or ASF file

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

DVR Specifications Cont. M3200 Series

Connectivity

<table>
<thead>
<tr>
<th>Cloud Connection</th>
<th>FLIR Cloud™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supported Operating Systems</td>
<td>Windows™, Mac OSX</td>
</tr>
<tr>
<td>Remote Software</td>
<td>Client Software (PC/Mac)</td>
</tr>
<tr>
<td>Email Notification</td>
<td>Text with snapshot</td>
</tr>
<tr>
<td>Instant Smart Phone &amp; Tablet Support</td>
<td>FLIR Cloud™ iPad®, iPhone®, Android™ apps</td>
</tr>
<tr>
<td>DDNS Free</td>
<td>FLIR DDNS</td>
</tr>
<tr>
<td>System Configuration</td>
<td>Full setup configuration over network</td>
</tr>
<tr>
<td>Ports</td>
<td>Programmable by User</td>
</tr>
<tr>
<td>Network Protocol</td>
<td>HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP</td>
</tr>
<tr>
<td>Network Interface</td>
<td>10/100-Base-TX, RJ-45</td>
</tr>
<tr>
<td>Network Speed Control</td>
<td>48Kb – 4096Kb/sec. per camera</td>
</tr>
</tbody>
</table>

DVR General Information

<table>
<thead>
<tr>
<th>Power Consumption</th>
<th>Approx. 15 watts (No HDD installed)</th>
</tr>
</thead>
</table>
| Supply Voltage             | 4/8 ch: 100VAC-240VAC, 12VDC, 2A, 50/60Hz  
                            | 16 ch: 100VAC-240VAC, 12VDC, 3A, 50/60Hz |
| Unit Dimensions (W x D x H) | 14.7” x 11.2” x 2.2” / 375mm x 285mm x 55mm |
| Unit Weight                | 5.2lbs / 2.4KG (without HDD) |
| Operating Temperature      | 32° – 104° F / 0° – 40° C |
| Humidity                   | 10 – 90% RH                      |
| Frames Per Second          | 120 (720p), 60 (1080p)           |

Ordering Information

NTSC models

M32040: 8-41430-00992-4 (4ch, no HDD)  
M32041: 8-41430-00993-1 (4ch, 1TB HDD)  
M32042: 8-41430-00994-8 (4ch, 2TB HDD)  
M32044: 8-41430-01029-6 (4ch, 4TB HDD)  
M32080: 8-41430-00995-5 (8ch, no HDD)  
M32081: 8-41430-00996-2 (8ch, 1TB HDD)  
M32082: 8-41430-00997-9 (8ch, 2TB HDD)  
M32084: 8-41430-01030-2 (8ch, 4TB HDD)  
M32160: 8-41430-00998-6 (16ch, no HDD)  
M32161: 8-41430-00999-3 (16ch, 1TB HDD)  
M32162: 8-41430-01000-5 (16ch, 2TB HDD)  
M32164: 8-41430-01031-9 (16ch, 4TB HDD)  

PAL models

M32040P: 8-41430-01160-6 (4ch, no HDD)  
M32041P: 8-41430-01161-3 (4ch, 1TB HDD)  
M32042P: 8-41430-01162-0 (4ch, 2TB HDD)  
M32043P: 8-41430-01163-7 (4ch, 3TB HDD)  
M32044P: 8-41430-01164-4 (4ch, 4TB HDD)  
M32046P: 8-41430-01165-1 (4ch, 6TB HDD)  
M32048P: 8-41430-01166-8 (4ch, 8TB HDD)  
M32080P: 8-41430-01167-5 (8ch, no HDD)  
M32081P: 8-41430-01168-2 (8ch, 1TB HDD)  
M32082P: 8-41430-01169-9 (8ch, 2TB HDD)  
M32083P: 8-41430-01170-6 (8ch, 3TB HDD)  
M32084P: 8-41430-01171-2 (8ch, 4TB HDD)  
M32085P: 8-41430-01172-9 (8ch, 6TB HDD)  
M32088P: 8-41430-01173-6 (8ch, 8TB HDD)  
M32160P: 8-41430-01174-3 (16ch, no HDD)  
M32161P: 8-41430-01175-0 (16ch, 1TB HDD)  
M32162P: 8-41430-01176-7 (16ch, 2TB HDD)  
M32163P: 8-41430-01177-4 (16ch, 3TB HDD)  
M32164P: 8-41430-01178-1 (16ch, 4TB HDD)  
M32166P: 8-41430-01179-8 (16ch, 6TB HDD)  
M32168P: 8-41430-01180-4 (16ch, 8TB HDD)

Package Dimensions

14.6 x 4.5 x 12" / 370 x 114 x 305mm