FLIR MPX™

Megapixel Over Coax DVR

M3200 Series

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)

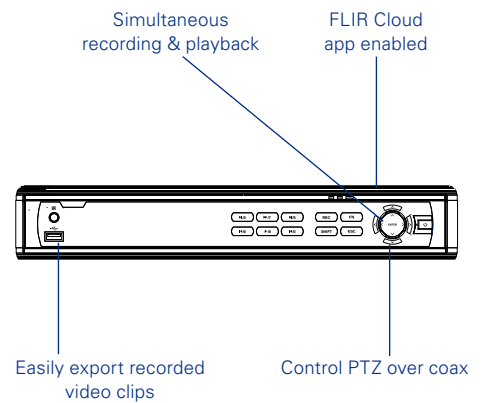### FLIR CLOUD – QUICK & SECURE REMOTE VIEWING
Remote access via iOS, Android, PC / Mac with FLIR Cloud

- 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)

FLIR Cloud™

FLIR® The World's Sixth Sense™

Specifications

DVR Specifications	M3200 Series
System	
Operating System	Linux (embedded)
Pentaplex	Simultaneous view, record, playback, backup & remote monitoring
Number of Channels	4/8/16 channel — MPX or analog cameras supported
Inputs/Outputs	
Video IN	4/8/16 x 1Vp-p, CVBS, 75ohms, BNC
Video OUT	No
VGA OUT	Yes
HDMI	Yes
Audio IN	4 channel, RCA
Audio OUT	1 channel, RCA
USB Port	USB 2.0 x 2 (1 at the back, 1 at the front)
Alarm IN	4 ch: 4 Alarm IN, 8 ch: 8 Alarm IN, 16 ch: 16 Alarm IN
Alarm OUT	3 Alarm OUT
Video Output Resolution	1920x1080 (HDMI), 1280x1024, 1024x768
PTZ Control	Via Coax and RS485, supports Pelco D and P
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
Time Synchronization	Auto time sync by NTP server
Recording	
Video Compression	H.264
Audio Compression	G.711
Recording Resolution*	NTSC: 1920x1080 (1080p), 1280x720 (720p), 960x480 (960H), 704x480 (D1), CIF (352x240) 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

* 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.	M3200 Series
Connectivity	
Cloud Connection	FLIR Cloud™
Supported Operating Systems	Windows™, Mac OSX
Remote Software	Client Software (PC/Mac)
Email Notification	Text with snapshot
Instant Smart Phone & Tablet Support	FLIR Cloud™ iPad®, iPhone®, Android™ apps
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	48Kb ~ 4096Kb/sec. per camera
DVR General Information	
Power Consumption	Approx. 15 watts (No HDD Installed
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: 8-41430-01170-5 (8ch, 3TB HDD)
M32084P: 8-41430-01171-2 (8ch, 4TB HDD)
M32086P: 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

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