FLIR *MPX*™

M4200 / M4200P Series

M4200/M4200P Series

FLIR's M4200 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 1080p/720p at 30fps 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

• 1080p (1920x1080), 720p (1280x720), 960H (960x480) resolution @ real time (30/25fps)

• MPX format is compatible with HD-CVI and analog

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

• Standard BNC connection – no networking complexities

• Supports both HD and SD analog simultaneously

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)

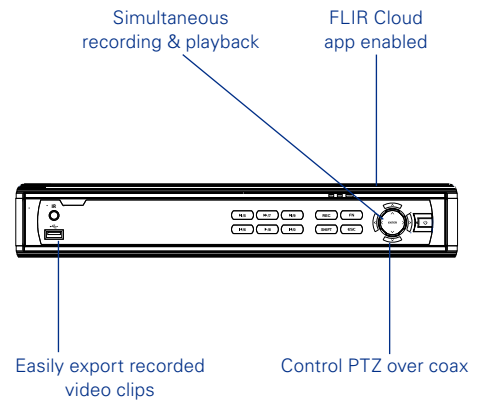### FLIR CLOUD – QUICK & SECURE REMOTE VIEWING
Remote access via iOS, Android, PC / Mac with FLIR Cloud

• 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

FLIR Cloud™

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Specifications

DVR Specifications	M4200 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 /16x 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: 8 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 16ch:480NTSC, 400PAL
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: 120 @ 1080p / 720p, 8 ch: 240 @ 1080p / 720p, 16 ch: 480@1080p/720p PAL: 4 ch: 100 @ 1080p / 720p, 8 ch: 200 @ 1080p / 720p, 16 ch:400@1080p/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, 2x6TB
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.

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**	M4200 Series
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	10/100/1000-Base-TX, RJ-45
DVR General Information	
Power Consumption	Approx. 15 watts (without HDD)
Supply Voltage	4/8 ch: 100VAC-240VAC, 12VDC, 4 Amp, 16ch: 5 Amp 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

Ordering Information

NTSC models

Model	Part Number
M42040 (4ch, no HDD):	8-41430-01015-9
M42041 (4ch, 1TB HDD):	8-41430-01016-6
M42042 (4ch, 2TB HDD:	8-41430-01017-3
M42043 (4ch, 3TB HDD):	8-41430-01277-1
M42044 (4ch, 4TB HDD):	8-41430-01025-8
M42046 (4ch, 6TB HDD):	8-41430-01229-0
M42048 (4ch, 8TB HDD):	8-41430-01230-6
M420412 (4ch, 12TB HDD):	8-41430-01598-7
M42080 (8ch, no HDD):	8-41430-01018-0
M42081 (8ch, 1TB HDD):	8-41430-01019-7
M42082 (8ch, 2TB HDD):	8-41430-01020-3
M42083 (8ch, 3TB HDD):	8-41430-01278-8
M42084 (8ch, 4TB HDD):	8-41430-01026-5
M42086 (8ch, 6TB HDD):	8-41430-01231-3
M42088 (8ch, 8TB HDD):	8-41430-01232-0
M420812 (8ch, 12TB HDD):	8-41430-01599-4
M42160 (16ch, no HDD):	8-41430-01507-9
M42161 (16ch, no HDD):	8-41430-01680-9
M42162 (16ch, 2TB HDD):	8-41430-01661-8
M42163 (16ch, 3TB HDD):	8-41430-01553-6
M42164 (16ch, 4TB HDD):	8-41430-01027-2
M42166 (16ch, 6TB HDD):	8-41430-01671-7
M42168 (16ch, 8TB HDD):	8-41430-01681-6
M421612 (16ch, 12TB HDD):	8-41430-01662-5

Ordering Information

PAL models

Model	Part Number
M42040P (4ch, no HDD):	8-41430-01181-1
M42041P (4ch, 1TB HDD):	8-41430-01682-3
M42042P (4ch, 2TB HDD:	8-41430-01182-8
M42043P (4ch, 3TB HDD):	8-41430-01183-5
M42044P (4ch, 4TB HDD):	8-41430-01184-2
M42046P (4ch, 6TB HDD):	8-41430-01185-9
M42048P (4ch, 8TB HDD):	8-41430-01186-6
M420412P (4ch, 12TB HDD):	8-41430-01663-2
M42080P (8ch, no HDD):	8-41430-01187-3
M42081P (8ch, 1TB HDD):	8-41430-01683-0
M42082P (8ch, 2TB HDD):	8-41430-01188-0
M42083P (8ch, 3TB HDD):	8-41430-01189-7
M42084P (8ch, 4TB HDD):	8-41430-01190-3
M42086P (8ch, 6TB HDD):	8-41430-01191-0
M42088P (8ch, 8TB HDD):	8-41430-01192-7
M420812P (8ch, 12TB HDD):	8-41430-01664-9
M42160P (16ch, no HDD):	8-41430-01665-6
M42161P (16ch, no HDD):	8-41430-01684-7
M42162P (16ch, 2TB HDD):	8-41430-01666-3
M42163P (16ch, 3TB HDD):	8-41430-01667-0
M42164P (16ch, 4TB HDD):	8-41430-01668-7
M42166P (16ch, 6TB HDD):	8-41430-01669-4
M42168P (16ch, 8TB HDD):	8-41430-01685-4
M421612P (16ch, 12TB HDD):	8-41430-01670-0

Package Dimensions

17.3 x 6.1 x 14.2" / 440 x 155 x 360mm

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