

# FLIR MPX™

## MULTI-FORMAT



M5100 / M5100P Series  
4/8/16 channel DVR

## M5100/M5100P Series

FLIR's M5100 Series DVRs use the latest HD-MPX technology, giving you the flexibility to upgrade your security systems to 4MP HD resolution using existing coax cabling. With support for up to 4MP HD resolution MPX cameras and standard analog cameras, the DVR is ideal for retrofit applications with multiple popular HD analog formats. 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 1000 ft / 330m.

### HIGH DEFINITION QUALITY

*Experience outstanding HD resolution over existing coax with up to 4MP resolution. Offers reliable identification with selectable area digital zoom.*

- Supports 4MP(2688x1520), 1080p (1920x1080), 720p (1280x720), 960H (960x480) resolutions
- MPX multi-format is compatible with popular HD analog cameras

### EASY INSTALLATION

*Upgrade systems to HD quality without networking complexities or the expense of re-cabling, with the option of maintaining previously installed analog cameras.*

- Standard BNC connection – ideal upgrade on existing coax cable
- Supports both HD and SD analog simultaneously

### SUPERIOR PERFORMANCE

*Zero latency, even with cable lengths up to 330 meters. Two-way communication over coax allows for easy connection and control of PTZ cameras (PTZ cameras sold separately).*

- Smooth real-time viewing with zero video latency
- Extended cable runs of up to 1000ft (330m)
- Two-way communication over coax allows for easy connection and control of select PTZ cameras (PTZ cameras sold separately)

### FLIR CLOUD – QUICK & SECURE REMOTE VIEWING

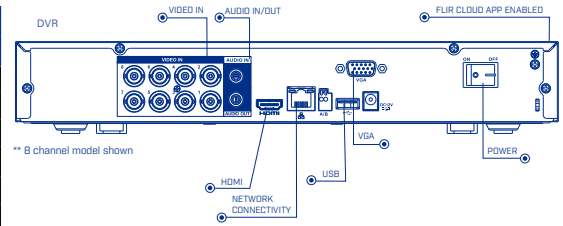
*Remote access via iOS, Android, PC / Mac with FLIR Cloud.*

- 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



# Specifications

DVR Specifications System		M5100/P Series	
Operating System	Linux (embedded)		
Pentaplex	Simultaneous view, record, playback, backup & remote monitoring		
Number of Channels	4/8/16 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 OUT	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	8/16 ch-4k, 4 ch-4MP		
PTZ Control	BNC-CVI + RS-485 Pelco D & P Protocol		
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	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: 4MP(2688x1520), 3MP(2304x1296), 1080p (1920x1080), 720p (1280x720), 960x480, 704x480, 352x480, 704x240, 352x240, 176x120 PAL: 4MP(2688x1520), 3MP(2304x1296), 1080p (1920x1080), 720p (1280x720), 960x576, 704x576, 352x288, 176x144		
Recording Frame Rate	NTSC 4 ch: 48fps @ 4MP, 120fps @ 3MP,1080p/720p/960H 8 ch: 120fps @ 4MP, 240fps @ 3MP,1080p/720p/960H 16 ch: 240fps @ 4MP, 480fps @ 3MP,1080p/720p/960H PAL 4 ch: 48fps @ 4MP, 100fps @ 3MP,1080p/720p/960H 8 ch: 100fps @ 4MP, 200fps @ 3MP,1080p/720p/960H 16 ch: 200fps @ 4MP, 400fps @ 3MP,1080p/720p/960H		
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 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 Channel	4 ch: 1 / 4, 8 ch: 1 / 4 / 8, 16ch:1 / 4 / 8 / 16		
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 8TB		
Backup Media	USB flash drive & HDD & Network		
Backup File Format	DAV or ASF file		



\*4MP MPX cameras are required to take advantage of 4MP recording.

Note: The M5100 is real time at 3MP/1080P/720p (30fps for 4/8/16 channel NTSC, 25fps 4/8/16ch PAL)

## Specifications

DVR Specifications Cont.		M5100/P Series
<b>Connectivity</b>		
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	
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	
<b>DVR General Information</b>		
Power Consumption	Approx. 10 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)	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	

### Ordering Information

#### NTSC models

M51042 (4ch, 2TB HDD):	8-41430-01812-4
M51083 (8ch, 3TB HDD):	8-41430-01815-5
M51164 (16ch, 4TB HDD):	8-41430-01818-6

#### Package Dimensions

14.6 x 4.5 x 12" / 370 x 115 x 305mm

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