

FLIR MPX™ MULTI-FORMAT



M6100 / M6100P Series
8/16 channel DVR

M6100/M6100P

FLIR's M6100 Series DVRs use the latest MPX multi-format technology, giving you the flexibility to upgrade your security systems to 4K Ultra HD resolution using existing coax cabling¹. With support for up to 4K HD resolution MPX cameras and standard analog cameras, the DVR is ideal for retrofit applications. The M6100 Series supports the most popular HD-Analog cameras². 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 1000ft (4MP), 500ft (4K)¹.

ULTRA HIGH DEFINITION QUALITY

Experience exceptional Ultra HD resolution over existing coax with up to 4K resolution. Offers reliable identification with selectable area digital zoom.

- Supports 8MP(3840X2160), 4MP(2560x1440), 3MP (2304x1296), 1080p (1920x1080), 720p (1280x720) 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-cabling¹, with the option of maintaining previously installed analog cameras.

- Standard BNC connection – ideal upgrade on existing coax cable¹
- Supports both HD and SD analog simultaneously

SUPERIOR PERFORMANCE

Zero latency, even with extended cable lengths.

- Smooth real-time viewing with zero video latency
- Extended cable runs of up to 1000ft (4MP), 500ft (4K)
- 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

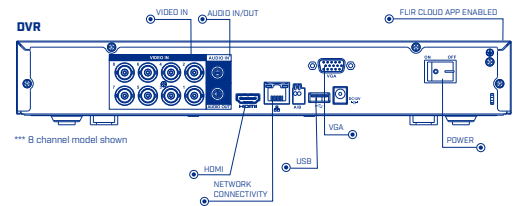
Disclaimers:

1. 4K requires RG59 or higher grade cable, 20 AWG CU Conductor, 95% braid.
2. For analog HD format compatibility, please visit flir.com/security/mpx



Specifications

DVR Specifications System		M6100/P Series	
Operating System	Linux (embedded)		
Pentaplex	Simultaneous view, record, playback, backup & remote monitoring		
Number of Channels	8/16 Channels — MPX Cameras Required		
Inputs/Outputs			
Video IN	8/16 x 1Vp-p, BNC		
Video OUT	Yes, 1 VGA & 1 HDMI		
VGA OUT	1080p output resolution		
HDMI OUT	up to 4K output resolution		
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		
PTZ Control	BNC-CVI + RS-485 Pelco D & P Protocol		
Display			
Live Display	8 ch: 1, 4, 8 16 ch: 1, 4, 8, 9, 16		
Live Display Speed	8 ch: up to 240fps NTSC, 200 PAL 16 ch: up to 480fps 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/ PAL 8ch : 8MP@56fps/4MP@120fps/3-2-1MP@240fps 16ch : 8MP@112fps/4MP@240fps/3-2-1MP@480fps		
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	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, ASF, AVI, or MP4 file		



Specifications

DVR Specifications Cont.		M6100/P Series
Connectivity		
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~6144Kb/sec. per camera	
DVR General Information		
Power Consumption	8 ch: Approx. 10 watts (No HDD Installed) 16 ch: Approx. 15 watts (No HDD Installed)	
Supply Voltage	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

M61084 (8ch, 4TB HDD):	8-41430-01965-7
M61086 (8ch, 6TB HDD):	8-41430-01966-4
M61088 (8ch, 8TB HDD):	8-41430-01967-1
M61163 (16ch, 3TB HDD):	8-41430-01968-8
M61166 (16ch, 6TB HDD):	8-41430-01969-5
M61168 (16ch, 8TB HDD):	8-41430-01970-1

Package Dimensions

14.7 x 4.6 x 12.1" / 373 x 117 x 307mm

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