

# MemoCam<sup>®</sup> Family

Now available in Color and High Resolution (1.2 Megapixels)

Best selling all-in-one complete CCTV system with camera, PIR sensor & DVR, all hidden in a standard PIR container.

- Dual technology sensors (Infra-Red + VMD) fulfils criteria of government / military
- Reliable, easy to use and install
- Won prestigious SIA & IFSEC awards for excellence and innovation
- Used by law enforcement agencies around the world
- Unique patent: records events on standard digital memory card



Ready for **Remote Management, Off-Site Visual Storage** and **Visual Alarm Verification** via Communications Port

Patent Pending



## FEATURING:

- Color or BW, with option for difficult lighting conditions
- Integrated new advanced Video Motion Detection (VMD) technology
- Images recorded on dual technology detection (VMD and/or PIR) as well as dry contact activation
- Storage of events on a fast SD card up to 1 GB capacity (up to 100,000 Images)
- Images secured through embedded digital keys
- Images dated and timed for integrity
- Communication capabilities, enabling off-site storage and visual alarm verification
- Includes PC and pocket PC based applications enabling:
  - \* Playback of recorded images at multiple speeds
  - \* Fast search by time or alarm events
  - \* Search for images using a detailed list or thumbnails.
- Windows export utility automatically exports contents of memory card onto CD as:
  - \* Backup
  - \* JPEG images
  - \* AVI files for playing on any Windows media player
- Easy operation \* IR remote control \* built-in scheduling



Get the Whole Picture!

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# MemoCam® Family

user-friendly and cost-efficient



The VMD enables the user to define specific areas for movement detection within the picture frame.

## ADDITIONAL FEATURES:

- \* TV/Video output for external monitor
- \* Records up to 10 fps
- \* 8 selectable levels of video quality
- \* Reliable and robust device not requiring day-to-day user intervention or maintenance
- \* User defined image quality, frame rate, recording time per event, delay between frames, cyclic recording and more.
- \* Can be connected to control panel to enable synchronized arm/disarm of the unit
- \* Weekly Scheduler
- \* 2 relays output
- \* RS-485 connection

## MAXIMUM NO. OF IMAGES / RECORDING TIME IN HOURS

For each selected recording quality and installed memory size (on the basis of recording rate of 1 FPS and VMD activation 20% of recording time)

### > At 1280x960 Resolution (M-C720 only)

RECORDING QUALITY	MEMORY CARD SIZE				
	64M	128M	256M	512M	1,024M (1G)
Excellent (300K)	210 / -	420 / -	840 / 1h	1,680 / 2.5h	3,300 / 5h
Very Good (180K)	350 / -	700 / 1h	1,400 / 2h	2,800 / 4h	5,600 / 8h
Good (120K)	530 / 0.75h	1,050 / 1.5h	2,100 / 3h	4,200 / 6h	8,400 / 12h
Standard (80K)	800 / 1h	1,600 / 2h	3,200 / 4h	6,400 / 8h	12,800 / 16h

### > At 640x480 Resolution

RECORDING QUALITY	MEMORY CARD SIZE				
	64M	128M	256M	512M	1,024M (1G)
Excellent (150K)	400 / 0.5h	800 / 1h	1,600 / 2h	3,200 / 4h	6,400 / 8h
Very Good (90K)	700 / 1h	1,400 / 2h	2,800 / 4h	5,600 / 8h	11,200 / 16h
Good (60K)	1,000 / 1.5h	2,000 / 3h	4,000 / 6h	8,000 / 12h	16,000 / 24h
Standard (40K)	1,600 / 2h	3,200 / 4h	6,400 / 8h	12,800 / 16h	25,600 / 32h

### > At 320x240 Resolution

RECORDING QUALITY	MEMORY CARD SIZE				
	64M	128M	256M	512M	1,024M (1G)
Excellent (40K)	1,600 / 2h	3,200 / 4h	6,400 / 8h	12,800 / 16h	25,600 / 32h
Very Good (22K)	2,900 / 4h	5,800 / 8h	11,600 / 16h	23,200 / 32h	46,400 / 64h
Good (15K)	4,200 / 6h	8,400 / 12h	16,800 / 24h	33,600 / 48h	67,200 / 96h
Standard (10K)	6,400 / 8h	12,800 / 16h	25,600 / 32h	51,200 / 64h	102,400 / 128h



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**Headquarters:**  
**Video Domain Technologies Ltd.**  
 e-mail: sales@vdomain.com  
 Tel. 972-3-904-4111, Fax. 972-3-904-3003

**USA Sales Office:**  
**Video Domain Technologies Inc.**  
 e-mail: sales-us@vdomain.com  
 Toll Free. 866-MEMOCAM (636-6226)  
 Tel. 516-333-9550, Fax. 866-422-1105

**UK Sales Office:**  
**VDT (UK) Ltd.**  
 e-mail: sales-uk@vdomain.com  
 Tel. 0870-330-0166, Fax. 0870-330-0167

## TECHNICAL SPECIFICATIONS

MODEL	M-C56/C	M-C56/B	M-C720
<b>Camera type</b>	CCD image sensor Color 0.5 Lux Pinhole lens, 4.3mm	CCD image sensor B/W 0.1 Lux Pinhole lens, 4.3mm	CMOS image sensor Color 1V/Lux-sec Mini lens 6 mm
<b>Video Format</b>	NTSC/EIA and PAL/CCIR		Progressive
<b>Video Input</b>	Internal camera		
<b>Video Output</b>	Composite video 1 Vpp		
<b>Video Resolution</b>			
1280 x 960 (SXGA)	No	No	Yes
640 x 480 (VGA)	Yes	Yes	Yes
320 x 240 (CIF)	Yes	Yes	Yes
<b>Recording Quality</b>	8 levels		
<b>Video Compression</b>	JPEG		
<b>Recording Rate</b>	1 image / 5 min and up to 10 images / sec		
<b>Image Size</b>	From 10K to 300K		
<b>Storage Type</b>	Removable SD Storage card sizes: 64, 128, 256, 512 and 1024 MegaByte		
<b>Recording Modes</b>	Fixed - Records events until the memory card is full Cyclic - Records events continuously overwriting old data		
<b>Start Recording Modes</b>	External alarm Video Motion and / or PIR Detection Panic button using the IR remote control		
<b>Pre-Alarm Recording</b>	YES		
<b>Image Protection (Integrity)</b>	Each image is differentially signed and can be authenticated		
<b>Titles</b>	Time/ Date/ Unit-Name		
<b>Scheduler</b>	Daily & Weekly		
<b>Alarm Inputs</b>	Accept N.O or N.C alarm sensors or OV as Low Level, +5 to +15Vdc as High Level		
<b>Arm/Disarm Input</b>	OV as Low Level, +5 to +15Vdc as High Level		
<b>Alarm Output</b>	N/C 28Vdc 0.1A protected with a 20 Ohm resistor		
<b>Programmable Output</b>	N/O or N/C 28Vdc 0.1A protected with a 20 Ohm resistor		
<b>IR Remote control</b>	Used for: • Arming and Disarming the unit • Emergencies as a panic button		
<b>Security</b>	Password protected		
<b>Internal PIR</b>	Dual element, hard spherical lens. Angle 90°		
<b>Power Source</b>	12VDC 300mA	12VDC 270mA	12VDC 180mA
<b>Power Consumption</b>	< 3.6 W	< 3.3 W	< 2.2 W
<b>Recovery</b>	Automatic recovery after source power failure		
<b>Audio Indicator</b>	Buzzer		
<b>Operation Status LED's</b>	Two status color LEDs and one power ON LED indicator		
<b>RS-485 port</b>	YES		
<b>Software Upgradeable</b>	YES		

## UNIT PHYSICAL CHARACTERISTICS:

<b>Dimensions (WxDxH)</b>	67 x 60 x 135 (mm)
<b>Weight</b>	250 grams
<b>Operating Temp.</b>	0° to 50°C