

MemoCam® Family

MemoCam® Zorro

COVERT Camera + DVR + PIR + VMD
MC-Z series Trusted by Law Enforcement Agencies



Get
the Whole
Picture



Now in Megapixel Resolution!

- Hand-sized all-in-one video recording system
- Records on removable mini SD card
- Smart dual technology recording triggers (VMD + PIR)
- Solid state device not requiring daily maintenance
- Weekly recording schedule
- Examine images on any PC/pocket PC
- RS-485 communications port



Award Winning Technology

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Ideal for Covert Surveillance

Video Domain Technologies' MemoCam Zorro takes the best-selling MemoCam into the next generation: we now bring you mini SD card recording technology, enabling continued upgrade of storage capacity for your benefit.

MemoCam® Zorro is a covert stand-alone Camera + Digital Video Recorder (DVR) with integrated Video Motion Detection (VMD) and Passive InfraRed detector (PIR). It is packaged in a slim standard sensor casing - perfect for covert surveillance.

Advanced VMD combined with PIR significantly reduces false alarms. It also significantly reduces storage space required, enabling a large amount of video data to be stored on a mini SD card.

MemoCam® Zorro is a solid state device that doesn't require daily maintenance, and is easy to install and use without special training.

MemoCam® Zorro is a reliable, secure system that will never let you down. Images are dated, timed and watermarked for integrity.

No wonder that MemoCam® Zorro is most trusted and used by important law enforcement agencies worldwide.

MemoCam® Zorro

MC-Z series

COVERT Camera + DVR + PIR + VMD

VMD lets you define the areas for movement detection. ►



Available in Color or B/W. Models for Megapixel Resolution and Low Light

EXCELLENT RECORDING QUALITY

- Color or B/W recording
- CMOS or CCD image sensor
- Records up to 10 FPS

QUICK & EASY OPERATION

- Easy to install
- IR remote control with panic button included
- Automatic scheduled activation
- Export to PC/pocket PC image editor, in JPEG or AVI format
- Playback of recorded images at multiple speeds, frame-by-frame or as continuous slide show
- Search for images using a detailed list or thumbnails
- Fast search by time or event

SET YOUR OWN PARAMETERS

- Define relevant areas for Video Motion Detection
- Choose recording quality - up to 5 levels
- Define trigger: VMD and/or PIR or external trigger
- Set Arm/Disarm schedule
- Define post-alarm recording...and more

RELIABLE AND SECURE

- Password protected
- Automatic recovery after power failure
- Images dated and timed
- Solid-state device with no moving parts
- Does not require day-to-day user intervention or maintenance
- Images watermarked for integrity

COMMUNICATION & CONNECTIVITY

- Communication port (RS-485)
- Connect monitor to video out

SUPPLIED WITH

- Power adaptor with 15ft (4.5m) cable
- IR remote control with panic button functionality
- Mini SD card
- Swivel mounting bracket

Ordering Information

NTSC-110V	PAL-240V
Color Megapixel Resolution: MC-Z/Mega	
P/N 11800177	P/N 11800274
Color: MC-Z/C	
P/N 11800147	P/N 11800244
B/W: MC-Z/B	
P/N 11800148	P/N 11800245
B/W Low Light MC-Z/BX	
P/N 11800168	P/N 11800265



VIDEO DOMAIN

Headquarters Video Domain Technologies Ltd.

Tel: 972-3-904-4111 • Fax: 972-3-904-3003 • sales@vdomain.com

USA Sales Video Domain Technologies

Tel: 201-735-0429 • Fax: 866-422-1105 • sales-us@vdomain.com

UK Sales VDT (UK) Ltd.

Tel: 0870-330-0166 • Fax: 0870-330-0167 • sales-uk@vdomain.com

Recording Capacity: maximum no. of images / recording time in hours

Based on recording rate of 1 FPS and VMD activation 20% of recording time.

At 1280 x 960 Resolution (SXGA) - only MemoCam Z-Mega model		
Recording Quality	Memory Card Size	
	1G	2G
Excellent (150K)	3,300 / 5h	6,600 / 10h
Very Good (90K)	5,600 / 8h	11,200 / 16h
Good (60K)	8,400 / 12h	16,800 / 24h
Standard (40K)	12,800 / 16h	25,600 / 32h
At 640 x 480 Resolution (VGA)		
Recording Quality	Memory Card Size	
	1G	2G
Excellent (150K)	6,400 / 8h	12,800 / 16h
Very Good (90K)	11,200 / 16h	22,400 / 32h
Good (60K)	16,000 / 24h	32,000 / 48h
Standard (40K)	25,600 / 32h	51,200 / 64h
At 320 x 240 Resolution (CIF)		
Recording Quality	Memory Card Size	
	1G	2G
Excellent (150K)	25,600 / 32h	51,200 / 64h
Very Good (90K)	46,400 / 64h	92,800 / 128h
Good (60K)	67,200 / 96h	134,400 / 192h
Standard (40K)	102,400 / 128h	204,800 / 384h

Technical Specifications

	MC-Z/C	MC-Z/B and MC-Z/BX	MC-Z/MEGA
Camera Type	CCD Color	CCD B/W Pinhole lens, 4.3mm	1.2 Megapixel CMOS Color
	Pinhole lens, 4.3mm	B: 0.1 Lux	Mini lens, 6mm
	0.5 Lux	BX: 0.003 Lux	1-V / Lux-sec
Video Format	NTSC & PAL	EIA or CCIR	Progressive
Video Input	Internal camera		
Video Output	Composite video 1 Vpp NTSC / PAL		
Video Resolution	640 x 480 (VGA) or 320 x 240 (CIF)	640 x 480 (VGA) or 320 x 240 (CIF)	1280 x 960 (SXGA) or 640 x 480 (VGA)
Recording Quality	5 levels		
Video Compression	JPEG		
Video Motion Detection (VMD)	Yes		
Recording Rate	From 10 images / sec to 1 image / 5 min.		
Image Size	From 10K to 120K		From 30K to 300K
Storage Type	Removable mini SD storage card		
Recording Modes	Fixed - records events until the mini SD card is full Cyclic - When the mini SD card is full - the oldest images are overwritten with the latest images		
Recording Mode Triggers	External alarm Video Motion Detection and/or PIR Detection Panic button using the IR remote control		
Pre-Alarm Recording	Yes		
Image Protection (Integrity)	Each image is differentially signed and can be authenticated		
Titles	Time / Date / Unit-Name		
Scheduler	Daily and weekly		
Alarm Inputs / Arm/Disarm Input	3 inputs. Accepts N.O or N.C alarm sensors or OV as Low Level; +5 to +15Vdc as High Level		
Alarm Output	N/C 28Vdc. 0.1A protected with 20 Ohm resistor		
Programmable Output	N/O 28Vdc. 0.1A protected with 20 Ohm resistor		
IR Remote Control	Used for: Arming / Disarming the unit Emergencies via panic button Password protected		
Security	Password protected		
Internal PIR	Dual element, hard spherical lens. Angle 90°		
Power Source	12 VDC 300mA	12 VDC 270mA	12 VDC 180mA
Power Consumption	<3.3 W	<3.2 W	<2.2 W
Recovery	Automatic recovery after source power failure		
Audio Indicator	Buzzer		
Operation Status LEDs	Two status color LEDs and a one PIR LED indicators		
RS-485 port	Yes		
Software Upgradeable	Yes		
External Dimensions	137 x 65 x 49 mm / 5.4 x 2.5 x 1.9 in		
Weight	340 gm / 12 oz		
Operating Temperature	0° to 50° C / 32° to 122° F		

In accordance with its policy of continuing product and system improvement, Video Domain Technologies Ltd. reserves the right to alter designs or specifications without obligation or further notice.