

MemoCam® DVR Series

DV-Cop

Miniature DVR with VMD and Sleep Mode

Records on Removable Mini SD Card

DV-Cop/CELL with Cellular Communications



Get
the Whole
Picture



Ideal for Covert Recording

Ideal for Home/Business, Monitoring Remote Sites, Monitoring Vehicles/Trains/Yachts and more

- Small & mobile, easy to set up and use
- Solid state device with no moving parts
- No daily maintenance required
- Images viewed on any PC/pocket PC
- Convenient recording schedule
- No need to invest in costly, elaborate system
- Sleep mode enables longer battery life

The advanced cellular communications platform of DV-Cop/CELL enables:

- SMS / e-mail messages to your cellphone every time there is an "event"
- JPEG image attachment with e-mail.
- Send SMS commands to configure/arm/disarm the unit

Video Domain Technologies' DV-Cop is a stand-alone, miniature DVR (Digital Video Recorder) with integrated VMD (Video Motion Detection). It is easy to install and easy to hide, and is perfect for covert recording and for situations where mobility is required. DV-Cop is perfect for any site requiring a quick & easy setup at an affordable cost.

DV-Cop supports sleep mode, when power consumption is reduced to only 10mA. This makes it ideal for battery-powered operations in remote sites where power sources are unavailable, and for use in mobile vehicles.

Integrated advanced VMD enables a large number of recorded images to be stored on removable mini SD cards.

DV-Cop/CELL model has, in addition to the above, cellular communication capabilities enabling two-way communication between your cell phone and the DV-Cop/CELL unit via SMS and e-mail messages. It utilizes existing cellular infrastructure, making it the ideal solution for remote locations with no infrastructure but covered by cellular networks.



Based on our award-winning MemoCam® technology

www.vdomain.com

Miniature DVR with VMD & Sleep Mode DV-Cop/CELL with Cellular Communications

VMD lets you define the areas for movement detection. ▶



Simply Plug in – and Ready for Action!

EXCELLENT RECORDING QUALITY

- Color or B/W recording
- Resolution quality 640x480 (VGA) or 320x240 (CIF)
- Records up to 10 FPS

COMMUNICATION & CONNECTIVITY

- Communication ports (RS-485)
- Cellular communication in DV-Cop/CELL model
- Connect monitor to Video Out

QUICK & EASY OPERATION

- Easy to install and integrate into existing CCTV system infrastructure
- IR remote control with panic button included
- Automatic scheduled activation
- Export to 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 or external trigger
- Set Arm/Disarm schedule
- Define post-alarm recording ... and more

SAFE & SECURE

- Password protected
- Automatic recovery after power failture
- 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 (user selectable)

EXTENDED OPERATION TIME

- Low-power sleep mode draws only 10mA power
- Suitable for battery operations (battery not included)
- On wake-up, unit powers up camera

CELLULAR COMMUNICATIONS (DV-Cop/CELL model)

- Advanced GSM/GPRS class 12 cellular platform
- Transmission rate upload: 32 - 48 kbit/s
- Image encryption for secure transmission of information (user selectable)
- Covers 900/1800/1900 frequencies, enabling flexibility & worldwide usage

SUPPLIED WITH:

- Power adaptor with 15ft (4.5m) cable
- IR remote control with panic button functionality
- mini SD card

Ordering Information

MemoCam DV-Cop	P/N 11780640
MemoCam DV-Cop/CELL	P/N 11780660

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

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

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

	DV-Cop	DV-Cop/CELL
Video Format	NTSC/EIA and PAL/CCIR – Color or B/W	
Video Input	1 channel – composite 1 Vpp. High Z or 75 Ohm (BNC)	
Video Output	1 channel – composite 1 Vpp (BNC)	
Video Resolution	640 x 480 (VGA) or 640 x (240 x 2) or 320 x 240 (CIF)	
Recording Quality	5 levels	
Video Compression	JPEG	
Recording Rate	From 10 images / sec to 1 image / 5 min	
Image Size	From 10K to 150K bytes	
Storage Type	Removable mini SD card in sizes: 512MB, 1GB & 2GB	
Cellular Connectivity	N/A	GSM/GPRS Class 12
Recording Modes	Fixed – records events until mini SD card is full Cyclic – records events continuously overwriting old data when the mini SD card is full	
Start Recording Modes	Video Motion Detection (inactive in sleep mode)	
	Dry contact input	
	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 Input / Arm/Disarm Input	2 inputs	
Alarm Output	N/O or N/C, Dry contact up to 28VDC, 0.1A Protected with 20 Ohm resistor	
External Camera Power Up	Powers camera and/or IR illuminator	
Max. Illuminator Output current (using 0.5A power adaptor)	300mA	200mA
IR Remote Control	Used for: Arming / Disarming the unit Emergencies via panic button	
Security	Password protected	
Power Source	7-20 VDC (nominal 15 VDC)	
Power Consumption @15VDC		
	Sleep mode:	10mA
	Wake up mode:	160mA
	During GPRS transmission:	–
Recovery	Automatic recovery after source power failure	
Audio Indicator	Buzzer	
Operation Status LEDs	Six status color LEDs and a one power ON LED indicator	
RS-232 port	Yes	No
RS-485 port	Yes	Yes
Software Upgradeable	Yes	
External Dimensions	6 x 5 x 2 inch / 155 x 130 x 48 mm	
Weight	12 oz / 340 gm	
Operating Temperature	32 - 122 °F / 0 - 50 °C	

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.



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