



# MemoCar™

## VIDEO DOMAIN On-Board Digital CCTV Surveillance for Moving Vehicles Data Sheet

**VideoDomain introduces MemoCar on-board digital video recording for in-vehicle security and surveillance.**

A mobile version of the award-winning **MemoCam®**, **MemoCar** provides in-vehicle image and event recording for moving transport, including cars, taxis, trucks, school busses, public-transit busses, armored cars and other modes of transportation.

**MemoCar** is the ultimate cost effective solution for mobile vehicle security.

### Benefits

- Verify driver identification and activity
- Crime prevention in taxis and busses
- Passenger recording for driver security
- Load recording in transit
- Reduce cargo theft and loss
- Document alarm and accident events
- Authenticate legal and insurance claims
- "Black box" footage for accident and event analysis



Taxi passenger (front)



Taxi passenger (rear)



Truck cab



Truck cargo area

### Features

- Stand-alone integrated CCTV system with video motion detection (VMD).
- Up to 3 cameras per vehicle.
- Automatic setup using memory card.
- Date and time stamp.
- Scheduler for timed unit activation.
- User defined image quality, frame rate, recording time per event, and delay between events.
- Automatic recording on alarm.
- Panic button for emergency snapshot activation.
- 16 MB Multimedia Memory Card (MMC) contains up to 1500 recorded images. Optional 32/ 64 / 128 MB card for up to 12000 high resolution images.
- Fixed or cyclical recording memory.
- Triggered by Video Motion Detection (VMD), dry contact (e.g., door opened, driver-activated), Passive Infrared (PIR) signal and scheduler.
- Video out for adjusting camera orientation.
- Power saving (optional).
- Serial communication.
- Remote control unit.

### Quick and Easy Installation!

Quick and easy installation! **MemoCar** includes a regulated power adapter for 12V DC vehicle batteries.

Plug 'n go capability! For fast movers, **MemoCar** features a cigarette lighter adapter.

### Simple Retrieval and Playback!

Compressed images are quickly retrieved and played back using an MMC reader connected to your PC with a USB card reader. You can also insert the MMC directly into your Pocket PC.

### Image Security!

**MemoCar** images are digitally watermarked with a secure 128 bit encrypted key. Image integrity (no alterations) can be verified along with unit ID and timestamp.



The MemoCar is based on the same award winning technology as the original MemoCam, double winner for innovation and excellence.

## Integrate With Existing Systems

Add vision to your existing tracking systems! Integrate MemoCar to transmit live or recorded in-vehicle video to a base station via GSM, GPRS or other wireless data transmission systems.

## Technical Specifications

<b>Video Inputs</b>	3 (for external cameras)
<b>Video Output</b>	1 (for adjustment & monitoring)
<b>Dry contact Input</b>	3 (for external triggers)
<b>Relay Output</b>	2
<b>Internal VMD</b>	Yes
<b>Weekly Scheduler</b>	Yes
<b>Removable MMC type</b>	8,16 std ,32 ,64, 128 MB storage
<b>Compression Format</b>	JPEG
<b>Recording Quality</b>	Low, Medium, High
<b>Image Size</b>	5-20 KB /image
<b>Recording Rates</b>	From 3 images/second to 1 image/5 minutes
<b>No of images per event</b>	1 to 100 images per camera
<b>Communication</b>	RS-485 4 wire full duplex
<b>Current Consumption</b>	Typical 400mA @12 VDC
<b>Unit Dimensions (W x H x D)</b>	67 x 135 x 56 (mm) 2.64 x 5.31 x 2.20 ( " )
<b>Weight</b>	250 g / 8.82 oz

## Miscellaneous

<b>Infrared remote control</b>	Arm/Disarm the unit using the IR remote control protected with a key-code
<b>Real-time clock</b>	On-board real-time clock for internal clock management and time stamping of alarm events
<b>Watchdog</b>	Automatic recovery circuit
<b>Scheduler</b>	Built in weekly scheduler
<b>Factory default</b>	Reset to factory default switch
<b>Setup and upgrades</b>	Setup and firmware upgrades done via MMC card
<b>Serial port</b>	For connection to a PC or system controller
<b>Infrared illuminator control</b>	An infrared illuminator LED can be connected for night image capture.

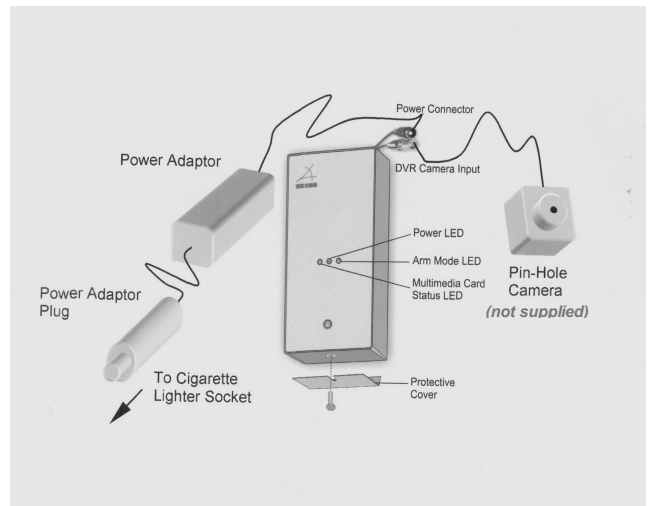
## Environmental conditions

<b>Temperature</b>	0 - 50 °C (32 - 122 °F)
<b>Humidity</b>	< 80% non-condensing
<b>EMC compliance</b>	FCC part 15 and CE

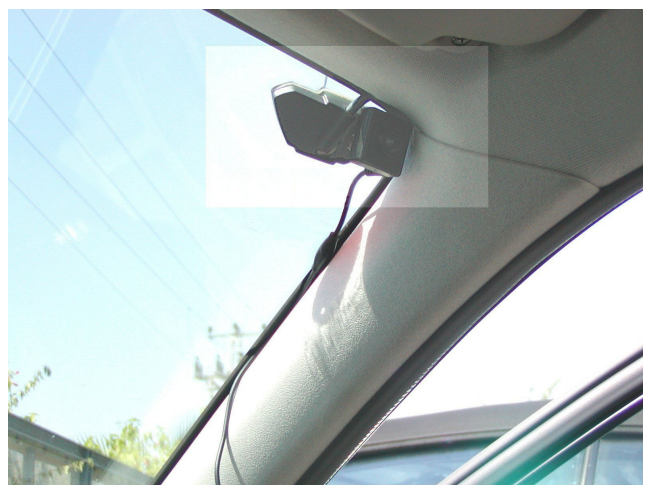


VIDEO DOMAIN

Extending the power of your senses



MemoCar System



MemoCar Installation

## Warranty

12 Months

## Distributed by

**Head Quarters**  
Video Domain  
Technologies Ltd.

sales@vdomain.com

**USA office**  
Video Domain  
Technologies Inc.

sales\_us@vdomain.com

**UK office**  
VDT (UK) Ltd.

sales\_uk@vdomain.com

www.vdomain.com

www.memocam.com

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