



**"A"New" image recording solution  
for professionals."**



[Actual Size]

# Capture video that you never thought possible - even in the most unusual or demanding situations. You can easily record what has up to now been unavailable to you.

## **SUV-Cam** A brand-new style of video camera system

### "Quick viewing"



The camera is equipped with a 2.2inch TFT high resolution LCD display. Select a file to play, then press one button to play the recorded file. With frame-by-frame playback, you never miss the exact moment in the video you want to see and the bookmark function makes it easy to find you favorites scenes.

### External Microphone Input

In addition to the built-in mic., the recorder has an external microphone input, so you can record with the right equipment and setup for your needs.

### AV Output/Earphone Terminal

You can view the recorded images by simply connecting the recorder to a TV monitor or projector via AV interfaces.

\*If a video output terminal is connected, the main unit display will switch off.

### "Quick and Easy recording"

Put the recorder on standby with one push after start-up. Then start recording with one more push. You can easily operate the SUV-Cam when you are wearing gloves. "Hold" feature is provided to prevent interruption of recording by miss-handling during intense or extreme movements.



### SD Card Recording Supports Your Activity

The SD card recording media protects your data from loss in body-worn or highly active uses. Quick playback is enabled by simply inserting the SD card into a PC or card reader slot. The recorded data can be played on Windows Media Player or other software without the need for the dedicated software.

SD



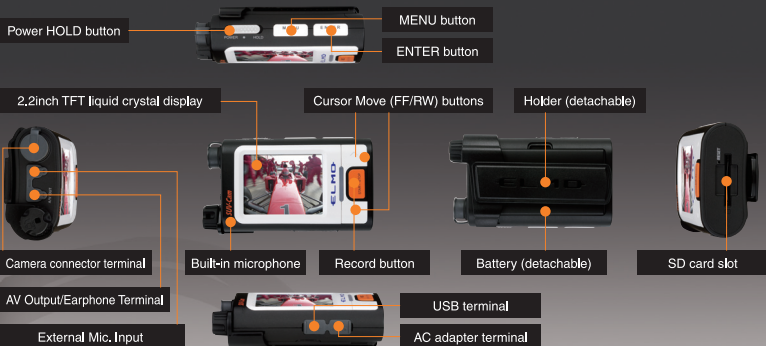
### Small and Lightweight

The recorder is as compact as cellular phone ( W x H x D, 56mm x 102mm x 30mm ), and weighs only 130g with the battery loaded.

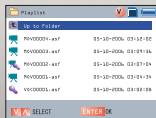
\*The SD card is optional.

\*Windows Media Player is a trademark of Microsoft Corporation.

## Portable Video Recorder



## The SUV-Cam is simple to use because of ELMO's Pursuit of Easy Operation



### Turning ON the POWER

Press [ POWER & HOLD ] slide switch to the POWER side for approx. two seconds. The Startup screen appears on the LCD monitor then the playlist screen appears.



[The OSD lists playback settings]

Display	ON	Counter
	OFF	
Playback speed	x1/2	Clock
	Standard	Dark→Bright
	x2	11 steps
	x4	
	x8	

### Playing a recording file

- Select the file to play by using [▲] or [▼].
- Press [ENTER] to play the file.
- Easy to change the playback setting on OSD menu.



### Recording

#### Recording after Checking Camera Images

Press the [REC] button once.

Press the [REC] button again.

A camera image is shown on the LCD screen in the stand-by recording mode.

Recording starts.

#### Quick Recording Operation

Press the [REC] button and hold it down for 2 seconds.

Recording starts.

## Two Types of Camera Cables in length

Two types of camera cables are available : 150cm and 80cm.

\*Choose one of the camera cables at purchase.



## Micro Waterproof CCD Camera with Heavy Duty Specifications



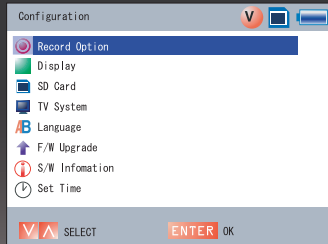
The camera body is as small as a lipstick case (20mm diameter by 84.8mm length) with waterproof to 40m. (IPX8 rated).

The tough stainless-steel cylindrical camera head resists deformation forces of up to 930kgf\*. The 3.8mm standard lens realizes 36.5mm in wide angle of view at 35mm film camera conversion.

\*Measured at ELMO test environment

\*The test data do not guarantee similar performance under the similar actual conditions.

## Diversified Recording Settings



Resolution	704X480	Video quality	High
	640X480		Standard
	320X240		Low
Record mode (Video/Audio)	160X128	Recording speed	25frames/s
	Video + Audio		15frames/s
	Video (No Audio)		5frames/s
	Audio only		3frames/s
			1frame/s

## Extended Recording Time

You can record data for longer periods through intermittent recording. Sound is clearly recorded if selected, even during intermittent recording.

Comparison table of approximate recording time  
[Capacity of SD Card : 1GB] Recording mode : Video and Audio

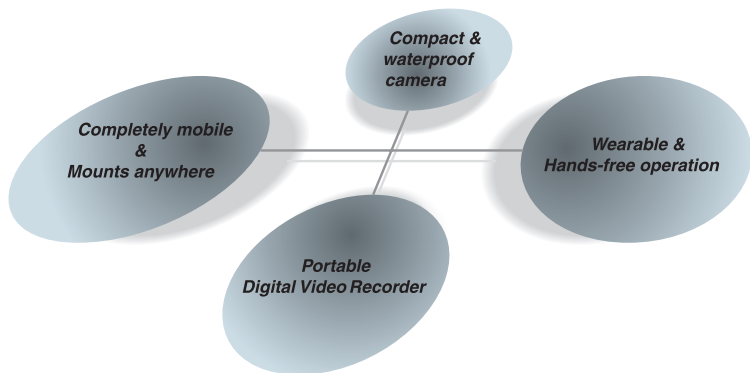
Resolution	Video Quality	Recording speed					
		25frames/s	15frames/s	5frames/s	3frames/s	1frame/s	
704X480	High	33m	56m	2h44m	4h26m	11h50m	
	Standard	38m	1h04m	3h06m	5h01m	13h13m	
	Low	45m	1h14m	3h35m	5h48m	14h57m	
640X480	High	45m	1h14m	3h35m	5h48m	14h57m	
	Standard	53m	1h29m	4h16m	6h51m	17h13m	
	Low	1h07m	1h50m	5h15m	8h21m	20h18m	
320X240	High	1h07m	1h50m	5h15m	8h21m	20h18m	
	Standard	1h29m	2h26m	6h51m	10h43m	24h23m	
	Low	2h12m	3h35m	9h48m	14h57m	31h35m	
160X128	High	4h16m	6h51m	17h13m	24h43m	43h44m	
	Standard	5h35m	8h50m	21h15m	29h32m	48h23m	
	Low	8h03m	12h39m	27h24m	36h46m	54h08m	

\* Actual recording time and size of data varies depending on the kind of SD card and its manufacturer.

\* Recording time is proportional to the capacity of an SD card.

\* Recording time may be different according to the object of shooting.

# Professional imaging equipment — *SUV-Cam* pioneers new visual solutions!



## Application 1: Film imaging equipment enabling special camera angles

·Do you still remember how excited you were to see onboard images of F1 racing for the first time? We provide you with more of such exciting images. The SUV-Cam quite literally has as many applications as you can imagine.

·As a professional tool, it's easy to shoot images from a special camera angle. The SUV-Cam is highly mobile and has a tough body casing, features that no other product has, and you will be proud to own.



## Application 2: Recording machinery and manufacturing line operations

·For improving quality and capabilities, the specialized movements of equipment and product processing conditions should be recorded with imaging. The compact and water-proof SUV-Cam can be installed in very narrow places or environments with dust or water spray.

·For improving work procedures and operating efficiency, analyze operations based on images recorded from the viewpoint of the actual operators.

This is now possible with the SUV-Cam, which is wearable and allows hands-free operation.



## Application 3: Monitoring and security system equipment

·Since it is lightweight and wearable, the SUV-Cam is readily usable as equipment for police and security guard work. The recording function is easy and quick when the need arises.

·The SUV-Cam is compact, portable, records for a long time, and can be used as a simple monitoring camera system. Even during low frame rate recording, the accompanying audio is fully recorded.



## Application 4: Capturing video in demanding situations

·When you want to record video without the distraction of operating a traditional camcorder, the SUV-Cam solves your problem.

·Because images are digital, it is easy to store videos as a record of operations. Moreover, you can easily produce DVDs as video training manuals or develop e-learning courses.



## Application 5: An onboard camera system

·The SUV-Cam is a compact video camera system for use onboard vehicles of any kind that allows for many mounting options.

\*The SUV-Cam should always be mounted securely so that it does not interfere with the operation of the vehicle.

Its applications are limited only by your imagination — *SUV-Cam*

## Specifications

SUV-Cam	Power supply	DC 3.7V(when the battery is used) DC 5.0V(when the AC adapter is used)
	Power consumption	2.8W(when the battery is used) 4.5W(when the AC adapter is used)
	Operating temperature	0°C to 40°C(Camera head -10°C to 50°C)
	Allowable relative humidity	10%~80%
Main unit	Water proofing	IPX8
	Cable length	80cm or 150cm
	Mass	80cm = Approx.115g 150cm = Approx.150g
	Dimension	diameter : 20mm length : 84.8mm
	Focal length	3.8mm
	F number	2.0
	Horizontal field angle	53.4°
	Vertical field angle	40.0°
	Focus adjustment	Manual
	Shooting range	0.5m to ∞(factory setting)
Camera head	Image pickup element	1/4" CCD
	Total picture element	470,000 pixels
	Effective number of pixels	440,000 pixels
	min. object brightness	2 lx
	White balance	Auto
	Electronic shutter	1/50 to 1/100,000 sec
	Resolution	Horizontal:480TV lines Vertical:420TV lines
	S/N ratio	48dB or more
Recorder	LCD monitor	2.2" TFT QVGA
	Built-in microphone	Monaural microphone (Built-in)
	Recording medium	SD card(not included) *The capacity of the SD card can be used up to 2GB.
	File format	asf
	Moving image compression format	Compliant with MPEG4
	Audio compression format	Compliant with G.726
	Video output	NTSC/PAL(switches by the setting item.)
	Audio input	Input impedance 2.2kΩ or more
	Audio output	38mW~38mW (Audio; Monaural) Load impedance 16Ω
	USB	USB 2.0
	Mass	Approx. 130g ( when battery is installed )
	Dimension(WxHxD)	56 x 102 x 30mm *Exclude the projection part
	Earphone/AV OUT external microphone	φ3.5 minijack(stereo)
	external microphone	φ3.5 mini jack(monaural)
DC IN	Dedicated jack	
Battery pack	Lithium-ion battery (desorption type)	
	Nominal voltage	3.7V
	Rating capacity	1660mAh
	Mass	Approx. 43g
Dimension(WxHxD)	39 x 78 x 9mm	
AC adapter	Power supply	AC 100~250V 50~60Hz
	Power consumption	DC 5.0V 2.0A
	Mass	Approx. 115g *Exclude the power code
	Dimension(WxHxD)	53 x 76 x 26mm

## Profile

All dimensions in mm



## Included Items

- Recorder main unit
- Camera head
- Instruction manual
- USB Cable
- AV Cable
- AC adapter
- Earphone
- Battery pack
- Belt clip

ELMO's Helping to Provide a Greener Future for Our Children

This ELMO product complies with RoHS Directive 2002/95/EC (Restriction Of the use of certain Hazardous Substances in electronic equipment). This compliance helps to ensure a healthier and greener environment for all our children.

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FOCUS ON THE FUTURE

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This brochure is printed on recycled paper with soy ink.

Printed in Japan (P) 10/2006