



Figure: Micro DVR with camera



Figure: Handy Size



ETSA Micro DVR series

Micro Embedded Digital Video Recorder

ETSA-651U/K

Description

Micro DVR series is an amazing new pocket size, highly portable surveillance device designed to be used as covert surveillance tool or personal DVR. It features A/V recording with advanced MPEG4 compression, photo snapshot with JPEG format and motion detect. A 2.5 inches LCD is on the DVR with power saving, and a video output connector for the external monitor. In addition, embedded software making set-up and operation in easy.

System Highlight

Waterproof combo A/V I/O connector and super mini size

One 1-to-2 mini A/V output jack and one 3-in-one A/V jack providing video, audio input and power, secure locking and waterproof(rated IP65); size: 101 x 67 x 26 mm

Worldwide video source and User Friendly UI

Support both NTSC and PAL formats; OSD (On Screen Display) Menu

Motion detect function

Recording can be triggered with detecting the moving object and will continue record until the object freezes. It also supports pre and post motion detect function

High Resolution and Multiple Recording Frame Rate

Support HVGA (640X240) and VGA (640X480) high resolution; Support 30,25,20,15,10 and 5fps

Easy back-up

By SD or SDHC card reader

External Serial connector

A 20-pins external connector for system future expansion. 3 DI for alarm input, 1 DO control on/off output, One 9 pins Modem port, and one 3 pins TX/RX RS232 port

Power saving

When plugging in the external monitor and the system is idling, the LCD will be turned-off automatically

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ET&T Technology Co., Ltd.

6F, No. 101, Songjiang Rd., Taipei 104, Taiwan

Tel: 886-2-2506-9472 Fax: 886-2-2501-6877

Email: info@etandt.com.tw

Web pages: www.etandt.com.tw

Embedded System in Daily Life

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Figure: Micro DVR outlook



Application

Rescue activities	Private investigators
Duty monitoring	Police officers
Recreation	Fire-fighters
Coaching	Spying

Specification

Audio/Video & Power	3 in 1 jack : 1 Video In (NTSC/PAL auto select) 1 Audio In (Mono) 1 5V power output for Camera (12V camera supported by Control Box)
Audio/Video output	1 Video Out (NTSC/PAL manual select) 1 Audio Out (Mono)
Storage Media	SD Card (Up to 4G version 1.1) SDHC Card Class 6 (up to 8 GB, limited SDHC type)
Power	Li-Polymer (3.7V @ 2.4 Ahr) battery; (Depend on camera-type connection : CCD camera: Maximum 3 hrs recording, CMOS camera: Maximum 5 hrs recording); External DC jack
Video Display	Real time
Recording resolution	640X480 / 640X240 @30/25/20/15/10/5 fps
Compression	MP4(.mov files)
Playback	By date / time / event
UI	OSD menu
Timer	RTC
Event Trigger	Pre / Post / Motion Detect
Dimension and Weight	101 x 67 x 26 mm, 176g (battery excluded)
Operating Temp.	-10 °C~60 °C / 14 °F~140 °F
Watchdog	Built in hardware watchdog
PC Software	ePlayer™

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