

TIGEREYE VISION SYSTEMS

MODEL #7032

Video Black Box™ Ultra Compact
Digital Video/Audio recording System



Model #7032 “Video Black Box™” is a stand-alone digital video/audio recording system. It employs advanced MPEG4 compression technology to encode video/audio into very small size for storage. The built-in video engine can support various video resolution, frame rate, image quality, and bit rate requirements. Its small chassis size facilitates mounting anywhere in the bus.

In stand-alone operation, the compressed video/audio can be stored on compact flash cards sold separately. The video bit rate can be controlled from 9 kbps (for black & white, low resolution, slow frame rate recording) to 512 kbps (for color TV quality recording). The capacity for the currently available board recording media is up to 4GB for compact flash card. A 1GB compact flash card will store approximately 24 hours of video at 15 fps.

Model #7032 can be connected to a server through the RS-232 interface for programming. Functions that can be performed in the management software include configuration, recording setting, video uploading/preview, and monitoring event programming. Video recorded on compact flash can be removed from the vehicle and viewed or archived on a laptop or desktop computer equipped with a PCMCIA interface. Viewing software is supplied with Model #7032.

Features

Real-time video/audio recording up to 30 fps for CIF, QCIF, and SQCIF resolutions.

Selectable video recording bit rate of 9 kbps ~ 512 kbps.

Advanced multiplexing to ensure synchronization between audio and video.

Alarm input for video/audio recording.

Pre-alarm and post-alarm video recording for high security application.

Support up to 4GBN Compact Flash memory card for video/audio recording.

Support Microdrive up to 4GB, and 2.5"/3.5" hard disks up to 300GB through PCMCIA interface.

Video/audio can be uploaded to client's PC for playback and storage.

MPEG-4 video compression

Resolution NTSC 720 x 280

Specifications

Alarm input for video/audio recording.

Switch button for disabling the alarm input.

Programmable pre-alarm and post-alarm recording time.

Built-in a real-time clock for time-stamp on the event.

Composite video input for recording.

One audio input for external microphone.

PCMCIA interface for Compact Flash memory card (sold separately).

RS-232 port for control and video transmission.

LED indicators for alarm status.

Size: 170mm(L) x 98mm(W) x 50mm(H)

Power Consumption: Max. 5W

Recording Time Chart				
	CF Card Size			
Recording Bit Rate	256MB	512MB	1GB	Remarks
64 Kbit/s	8 Hrs.	16 Hrs.	32 Hrs.	Reasonably good quality (5-10fps)
128 Kbit/s	4 Hrs.	8 Hrs.	16 Hrs.	Reasonably good quality (10~15fps)
256 Kbit/s	2 Hrs.	4 Hrs.	8 Hrs.	Reasonably good quality (20~25fps)
384 Kbit/s	1.33 Hrs.	2.66 Hrs.	5.33 Hrs.	TV-like quality (up to 30fps)
511 Kbit/s	1 Hr.	2 Hours	4 Hrs.	Good quality at 720X480 replay



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