

USB MPEG Capture Device

Model 2250 (Rev.A)

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7313 SW Tech Center Dr.
Tigard, OR 97223
Phone 503.684.8073 • Fax 503.684.8164
www.sensoray.com



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Limited warranty

Sensoray Company, Incorporated (Sensoray) warrants the hardware to be free from defects in material and workmanship and perform to applicable published Sensoray specifications for two years from the date of shipment to purchaser. Sensoray will, at its option, repair or replace equipment that proves to be defective during the warranty period. This warranty includes parts and labor.

The warranty provided herein does not cover equipment subjected to abuse, misuse, accident, alteration, neglect, or unauthorized repair or installation. Sensoray shall have the right of final determination as to the existence and cause of defect.

As for items repaired or replaced under warranty, the warranty shall continue in effect for the remainder of the original warranty period, or for ninety days following date of shipment by Sensoray of the repaired or replaced part, whichever period is longer.

A Return Material Authorization (RMA) number must be obtained from the factory and clearly marked on the outside of the package before any equipment will be accepted for warranty work. Sensoray will pay the shipping costs of returning to the owner parts that are covered by warranty. A restocking charge of 25% of the product purchase price, or \$105, whichever is less, will be charged for returning a product to stock.

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Special handling instructions

The circuit board contains CMOS circuitry that is sensitive to Electrostatic Discharge (ESD).

Special care should be taken in handling, transporting, and installing circuit board to prevent ESD damage to the board. In particular:

- Do not remove the circuit board from its protective anti-static bag until you are ready to install the board into the enclosure.
- Handle the circuit board only at grounded, ESD protected stations.
- Remove power from the equipment before installing or removing the circuit board.

Introduction

Model 2250 is a USB video and audio capture device. It converts the signal from an analog video source (NTSC or PAL) into one of the supported MPEG or MJPEG streams along with (optional) audio from a line or microphone input. Model 2250 is powered through the USB port and does not require any external power supplies.

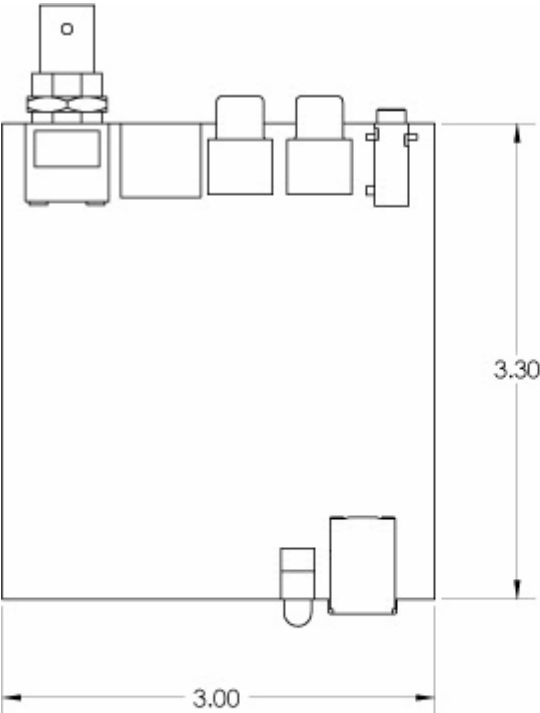
Feature Summary

- MPEG1/2/4 capture at full frame rate and full resolution.
- Motion JPEG capture (JPG frames and AVI streams)
- Composite or S-video inputs.
- Stereo audio is mixed synchronously into MPEG stream (mono for the microphone input).
- On screen display (OSD) of multiple text overlays.
- Three-zone motion detection.
- Driver support for Windows 2000, XP & Vista

Specifications

Inputs	Video: composite (BNC), S-video (DIN), 75 Ohm Audio: line in stereo (2xRCA), microphone mono (3.5 mm 3-position jack), 10 kOhm.
Electret microphone bias current, max	3 mA
Input video formats	NTSC (M), PAL (BDGHIMN)
Output formats	MPEG1, MPEG2 (MP@ML), MPEG4 (SP@L3 with B-frames), Motion JPEG
Output resolutions	320x240, 720x480 (NTSC, 30 frames/sec) 320x288, 720x576 (PAL, 25 frames/sec)
Bitrates	Constant and variable, up to 6Mbps
OSD	max 96 characters per frame, 16x16 font
Snapshot	JPG and BMP formats, concurrent with capture/preview
Power	+5 V, 470 mA (through USB port)

Mechanical Drawing



Note:
No mounting holes. PCB is supported by card guides along 3.30" edges.

