

Watchport™ /VE



Convert Analog Video and Audio to Digital Via USB

Watchport/VE Video Encoder offers an alternative to traditional capture card solutions for analog-to-digital audio-visual conversion. The USB Video Encoder utilizes plug-and-play USB installation, making it simple to operate analog (NTSC/PAL) cameras in PC environments. Watchport/VE may be set up for full motion video capture up to 30 frames per second (fps), as well as still video capture at VGA resolution (640x480). Stereo audio input is paired with composite and S-Video input for optimal audio-visual synchronization. Since it is USB-powered, Watchport/VE does not require batteries or an external power supply, so the device is fully portable and convenient for use with notebook PCs. Watchport/VE is simple to install and is compatible with DirectShow™, Video for Windows® and TWAIN™ software, making it easy to implement into any mission-critical application requiring surveillance.

Bump-in-the-Cable Solution for Simultaneous Audio and Video Capture

- ▶ Supports any standard analog (NTSC/PAL) video source
- ▶ Easy USB plug-and-play installation with selectable USB bandwidth
- ▶ VGA resolution (640x480) for still image capture and full motion video capture to 30fps (320x240)
- ▶ Allows traditional analog video cameras to operate in PC environments
- ▶ USB-powered with low power consumption
- ▶ Cost-effective alternative to internal capture card solutions
- ▶ Ideal for security, POS, access control and other mission-critical applications requiring surveillance
- ▶ Ships with drivers for Windows® 98, 2000 and XP

Get **of the box** today.

Watchport/VE Products and Part Numbers

WATCHPORT/VE		
NAME	DESCRIPTION	PART #
Watchport/VE	USB Video Encoder	301-9020-01



Security



To view our entire line of USB solutions visit our website at www.ionetworks.com

Watchport/VE Technical Features and Specifications

FEATURES

- Image formats: 16 and 24 bit RGB, YUV422 ('YUY2') and YUV12 ('I420')
- Image resolutions: 352x288 (CIF), 320x240, 240x180, 176x144 (QCIF), and 160x120
- Full motion video capture: 30fps at 320x240, 25fps at 352x288
- High resolution still image capture:
 - NTSC: 640x480, 320x240, RGB 24 bit
 - PAL: 768x576, 384x288 RGB 24 bit
- Video inputs: 1 RCA composite (yellow), 1 S-Video (black)
- Audio inputs: 2 RCA jacks (black) with color key rings (white - left, red - right)
- Audio formats: Stereo up to 16KHZ, 14 bits
- Selectable USB bandwidth 0.5 to 7.5Mbps

ENVIRONMENTAL REQUIREMENTS

- Ambient temperature: 32°-122°F (0°-50°C)

SYSTEM REQUIREMENTS

- 32MB memory
- 1 available USB port
- Windows 98, 2000 or XP
- 16 bit VGA display adapter
- Video source (NTSC or PAL Video Camera)
- Audio line out source (VCR, Camcorder)
- Sound card and speakers for audio preview and playback

POWER SPECIFICATIONS

- USB-powered (no external power supply required)
- Current drain: 300mA maximum
- Operating voltage: 5V

STANDARDS AND PROTOCOLS

- Video standards: NTSC, PAL
- USB 1.1
- Compatible with Microsoft Video for Windows, DirectShow and TWAIN software

DIMENSIONS

- Height: 0.59 in (1.51 cm)
- Width: 1.22 in (3.1 cm)
- Length: 3.23 in (8.2 cm)
- Weight: 3.52 oz (100 g)
- Cable Length: 4.26 ft (1.3 m)

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Connectware™



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