

**PRELIMINARY**

**JVC**<sup>®</sup>  
**PROFESSIONAL**

**VR-510U**

**Digital Video Recorder**

***New Product News***



**High-quality MPEG2 pictures, Twin CODEC system and easy-to-use front panel design with jog/shuttle make this video disk recorder ideal for surveillance systems.**

Versatile and easy to use, the VR-510U digital video recorder can record high-quality MPEG2 images in a variety of modes. Features like simultaneous recording and playback, pre/post sensor recording, alarm recording search function, quick/random access and convenient jog/shuttle control give you far more flexibility than is possible with a conventional video recorder. You'll be able to monitor previously recorded material without interrupting recording and pinpoint target images quickly. And since the front panel controls look and function in almost the same way as an ordinary VCR, you'll be able to start using it immediately. A built-in multiplexer interface makes it easy to incorporate this versatile unit in existing video surveillance systems.

## FEATURES

### High-quality MPEG2 picture recording

MPEG2 intra-frame compression allows recording of high-quality 720 x 480-pixel images. For more flexibility and extended recording, you can also select 360 x 240-pixel image recording.

### Various recording modes

#### Long-time recording

A wide range of recording qualities and speeds are available. For full details, refer to the table below.

Recording quality, recording speed and recording time (hours)

Mode	30 fps	15 fps	10 fps	5 fps	3 fps	2 fps	1 fps	1/2 fps	1/5 fps	1/10 fps
High	14	28	43	86	143	215	430	861	2,153	4,306
Normal	28	56	85	170	284	426	853	1,706	4,265	8,531
Basic	37	75	113	227	379	568	1,137	2,275	5,687	11,375
Low	56	113	170	340	568	852	1,704	3,408	8,520	17,041

#### Audio recording function

To support surveillance applications, high-quality audio using MPEG2 32K sampling is recorded together with pictures (excluding 1/5 fps and 1/10 fps recording modes). Audio recording is continuous even in interval recording.

#### Pre/post sensor recording

You can check material recorded both before and after alarm sensor input for anomalies. Pre sensor recording duration can be selected from 30 and 60 sec. Post sensor recording duration can be selected from 10/15/30/60/120 sec. and manual/tape end. For higher-density recording during an alarm condition, you can also select the recording speed to be used when an alarm signal is input.

#### Alarm recording

You can set the VR-510U to automatically enter a preset high-density recording mode whenever an alarm signal is input. The alarm recording duration can be selected from 10/15/30/60/120 sec. and manual/tape end.

### Easy operation

#### Easy-to-use front panel design

With a front panel design similar to a VCR, the VR-510U offers users a familiar, easy-to-use interface.

#### Jog/shuttle dial

A jog/shuttle dial is provided for quick, easy image search.

### Maintenance-free design

Unlike a VCR, the VR-510U has no heads to clean and no tapes to degrade, ensuring optimum quality image recording at all times.

### Versatility

#### Simultaneous recording and playback

A simultaneous recording and playback function lets you review any image sequences without interrupting recording.

#### A variety of search modes

In addition to jog/shuttle search, versatile search functions include time/date search, alarm search and alarm/one touch hourly button search.

### System flexibility

#### RS-232C interface

You can connect a PC to the recorder via this interface for PC-controlled operation. Alternatively, you can use this interface to connect multiple VR-510Us in series.

#### Connectable to a multiplexer

The VR-510U can be connected to a multiplexer, allowing you to easily incorporate this recorder in your existing surveillance system.

### Other features

- Operation lock key
- On-screen menu setting function
- Timer recording

## SPECIFICATIONS

Signal system: NTSC

Recording system:

MPEG2 compression system

Hard disk capacity: 80 GB

Video input: Composite input (BNC) x 1

Video output: Composite output (BNC) x 2

Video image size: 720 (horizontal) x 480 (vertical) with high quality recording

Audio input: -8 dB, 50 kohms, RCA x 1

Audio output: -8 dB, 1 kohm, RCA x 2

External control: RS-232C

Camera video input: 1

Power requirement: AC 120 V, 50 Hz/60 Hz

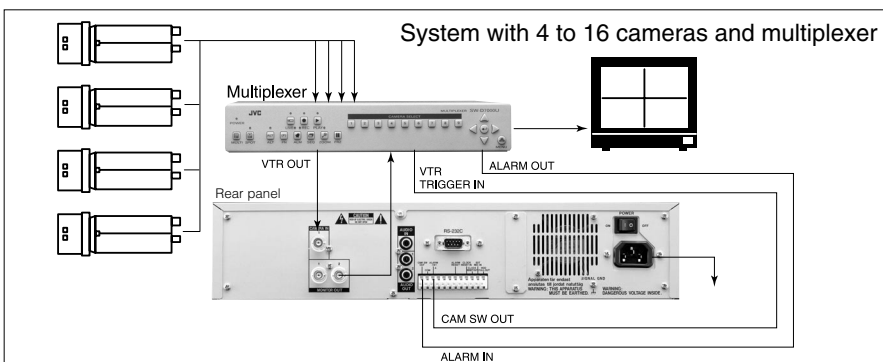
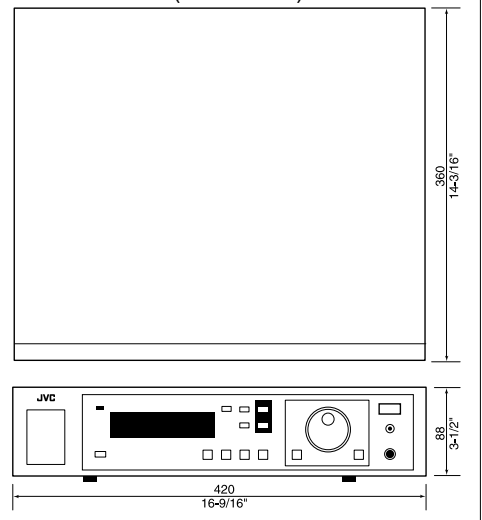
Operating temperature: 5°C to 40°C (41°F to 104°F)

Storage temperature: -20°C to 60°C (-4°F to 140°F)

Dimensions (WHD) : 420 x 88 x 360 mm  
(16-9/16" x 3-1/2" x 14-3/16")

Weight: 7 kg (15.4 lbs.)

### Dimensions (mm/inches)



Design and specifications subject to change without notice.

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