240 Hour High Density Video Cassette Recorder

The ADEMCO Video AVR240A High Density VCR features virtual realtime recording for impressive, smooth playback of images. Details are crisp and clear with high band recording of 300 lines horizontal resolution color and 350 lines black and white.

The AVR240A is easy to use with features like a convenient jog-shuttle dial, that allows fingertip control of the winding speed, as well as frame-by-frame searching through images. The AVR240A also features a full-sized, brightly-lit LCD display, and status LEDs that indicate recording, alarm recording and timer schedule modes.

AVR240A

The AVR240A features a maximum record time of 240 hours. A highly flexible VCR, the AVR240A offers eight recording and playback modes to accommodate the vast majority of security applications–from 168 hour mode for weekly recording, to 72 hour mode for weekend recording. For users that change tapes daily, in 18 hour mode 24 hours of continuous recording can be obtained by using a T-160 tape. In alarm conditions the AVR240A records in real-time, 6 hour mode (60 fields/sec).

Alarm alerts may be programmed to be displayed on both the VCR's monitor output and the VCRs front panel display, in addition to having an audio output. User-friendly on screen menus allow for simplified setup of features and parameters such as advanced time and date search, time recording and alarm recording. Additional features include field-by-field tape analysis, multiple playback speeds and alarm index indication.

With its superior design, advanced range of features, and sleek look, the AVR240A is more than a video recorder; it becomes an integral part of your total security system.

FEATURES:

- Up to 240-hour time-lapse recording
- Convenient jog-shuttle Dial
- 24-hour high density realtime recording
- Easy to read LCD display
- Status LEDs for recording, alarm recording and timer schedule modes
- On screen programming
- Automatic head cleaning
- Time and date search
- Alarm index search
- 7 programmable timer settings
- Programmable alarm speed recording (3)
- High speed search
- Video loss detection alarm
- Electronic security lockout feature
- Battery back up
- Automatic video check
- Tape rewind speed app. 150 seconds (T-120)
- Auto recycle
- Linear time counter

ADEMCO VIDEO

AVR240A

ADDITIONAL FEATURES

High Quality Images
The AVR240A's advanced circuitry design along with its crystal ferrite and glass bonded video heads provide superior picture quality, combining high contrast, high resolution and fine detail. These features are essential for applications that require precise image inspection.

Jog-shuttle Dial
The AVR240A features a convenient jog-shuttle dial. The jog-shuttle dial that allows fingertip control of the winding speed. The jog function allows frame-by-frame searching while the shuttle offers rapid winding speed.

Eight Recording/Playback Modes
With the flexibility of eight recording and playback modes the user can select what suits their application. One T-120 tape can record up to 10 days or a maximum of 240 hours. In 6,18A and 30A hour modes (A=Audio), the VCR will record and playback both audio and video.

Forward/Reverse Playback Modes & Noiseless Field Advance/Field Reverse
Forward Playback can be performed in all eight modes and Reverse Playback in four modes to assure clear, precise images when checking an object on the tape. Noiseless Field Advance and Field Reverse playback can be obtained at search speeds 3x, 5x, 7x or 9 times the 6 hour mode (60 fields/sec.).

Recording Review /Auto Review Function
Simply press the play button during recording to check for proper recording. Auto RE-Check rewinds at the end of the tape during recording and plays back a few seconds checking for normal recording.

Video Loss Detection Alarm
If the VCR does not detect a video signal during recording, the monitor displays "No Video".

Convenient On-Screen Display (OSD)
The monitor will display on the VCRs monitor output and VCR display, all information that has been programmed such as, recording date and time, video mode selection, alarm activation and memory. Search speeds can easily be selected through the on-screen display. (*See screen displays on right*)

Mode Selectable Timer
Up to seven different programs can be preset allowing 2 programs per day to be scheduled.

Auto Head Cleaning
The VCR cleans the video heads automatically when a cassette is inserted and ejected or when the tape is rewound in the recycle recording mode, to prevent accumulation of dirt on the heads.

ORDERING:

Part No.	Description
AVR240A	240 Hour High Density Video Cassette Recorder

TECHNICAL SPECIFICATIONS

Operational
Tape format . . . . . .VHS (T-120 or T-160)
Standard . . . . . .NTSC/ EIA
Recording . . . . . .Rotary two head helical azimuth recording
Heads . . . . . .Double-azimuth 4 heads
Recording Length . . . .6,18, 30, 48, 72, 120, 168, 240 hours

Search Speed . . . . . .6-hour mode x3, x5, x7, x9
Day Light Savings . . .Yes
Video
Input . . . . . .BNC, 1Vp-p 75 ohm unbalanced
Output . . . . . .BNC, 1Vp-p 75 ohm unbalanced
S/N . . . . . .>42db (6 hr mode)
High Resolution
Color . . . . . .300 lines (06 mode)
Monochrome . . . . . .350 lines (06 mode)
Audio:
Input: . . . . . .-8dBm 50k unbalanced
Output . . . . . .-9dBm 600 ohm unbalanced
Frequency Range . . .100Hz-8kHz (6 hr mode)
S/N . . . . . .40dB (6 hr. mode)

Environmental:
Operating Temperature 41°F-104°F (5°C-40°C)
Storage Temperature -4° F-131°F (-20°C-55°C)
Humidity 10%-75%

Power:
Requirements . . . . . .120 VAC, 60 Hz ± 10%
Consumption . . . . . .31 W
Battery Back-up . . . . .720 hours

Mechanical:
Dimensions: 3.8"(H) x 17.1" (W) x 11.25" (D)
(99mm x 435mm x 286mm)
Weight . . . . . .8.8 lbs. (4.0kg)
Shipping Weight . . . . .11.02 lbs. (5.0 kg)

Regulatory:
- Emissions:
  FCC: Part 15, Subpart B, Class A,
  CE: EN55022, EN61000-3-2, EN61000-3-3
  CSA: CSA-C22.2 No. 1-1998
- Immunity: CE: EN55024:1998
- Health/Safety: UL: UL2044

Recording Modes

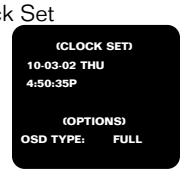
REC/PLAY Hrs. Mode	Actual REC/PLAY Hrs. T-120	T-160	Number of REC Fields	Tape Drive	Audio Recording
6	6	8	60 fields/sec	Continuous	Yes
18	18	24	20 fields/sec	Continuous	Yes (A18)
30	30	40	12 fields/sec	Continuous	Yes (A30)
48	48	No Rec	6.67 fields/sec	Intermittent	No
72	72	No Rec	4.61 fields/sec	Intermittent	No
120	120	No Rec	2.86 fields/sec	Intermittent	No
168	168	No Rec	2.07 fields/sec	Intermittent	No
240	240	No Rec	1.33 fields/sec	Intermittent	No

For Optimal Picture Quality When Using T-160 Tape:
- Recommended Brands: Fuji, Hitachi, Maxwell, TDK
- Recommended Type: Commercial Grade

Convenient On-Screen Display

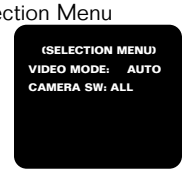
Date/Time

Clock Set



Timer Presets

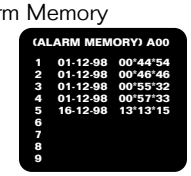
Selection Menu



Buzzer Selection

Alarm Set

Alarm Memory



ADEMCO VIDEO
Customer Service . .1-800-352-9169
Applications 1-877-653-0302
Technical Support . .1-888-238-7978
Fax 1-516-921-4307
Web site . . .www.ademcovideo.com

171 Eileen Way, Syosset, NY 11791

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