

SONY



## HVR-M15AE

HVR-M15AE Compact HDV VTR

The most compact HDV capable VTR in the Sony range



In addition to providing HDV1080i recording and playback, the HVR-M15AE now features the HDV native progressive format capability, which provides stunning 1080p images at 24, 25 or 30 frames per second.\* Along with support for both DVCAM and DV formats, the HVR-M15AE offers users the ability to work with both standard definition and high definition content.

The HVR-M15AE is also compatible with standard size cassettes. The DigitalMaster cassette can provide over 4 hours recording of HDV content - the ideal choice when longer recording times are required.

The compact dimensions of the HVR-M15AE means that it can be positioned either horizontally or vertically depending on individual needs, whilst its simple design makes it very easy to use. As with all HDV products, the HVR-M15AE has the added benefit of 2 year Silver Support warranty - providing additional piece of mind.

\* "24p" means "23.98p" video signal and "30p" means "29.97p" video signal.

### Features

#### HDV/DVCAM/DV Compatible

The HVR-M15AE, along with offering HDV 1080i recording and playback now offers progressive recording format. With this format, called HDV native progressive format, 1080p images at 24, 25 or 30 frames per second can be recorded.

The HVR-M15AE enables users to play back 1080p images recorded with camcorders featuring this format and to record with i.LINK input. DVCAM and DV recording and play back for existing SD workflows is also available, providing full flexibility to record and play back either Standard or High Definition depending on production needs.

#### Dual-size Cassette Mechanism

The HVR-M15AE accepts both standard and mini size HDV, DVCAM, and DV cassettes without using any special adaptor. It allows for HDV recording for up to 276 minutes with a DigitalMaster™ Cassette - ideal when longer recording times are required.

#### Down-conversion Capabilities

The HVR-M15AE allows down conversion from HDV1080i or p format. Analogue outputs (component/S-Video/Composite) and the i.LINK interface can provide a standard definition signal in either DVCAM or DV if required.

#### 50/60Hz Switchable

The HVR-M15AE is compatible with both 50 and 60 Hz use - providing greater user flexibility to make and edit productions on a worldwide basis.

### Compact & Simple Design

The compact dimensions of the HVR-M15AE mean that it can be used even when workspace is at a premium, and its simple layout means that it is easy to use.

### HDV/DV IN TC

The HVR-M15AE is equipped with HDV/DV IN TC, enabling time code synchronization with external equipment - ideal when dubbing tapes or recording to tapes with material edited by nonlinear editing systems.

### Menu button

The HVR-M15AE offers a menu button. This enables quick menu access without the need of a remote control.

### Auto Repeat

The HVR-M15AE has an Auto Repeat function that enables it to repeatedly play back a program. Just after the HVR-M15AE reaches the end of the tape, it automatically rewinds the tape and repeats the playback.

### TC Reset

The HVR-M15AE can reset the time code value to 00:00:00:00 via either menu or wireless remote control.

## Benefits

### An affordable way to enjoy High Definition

Through the HDV format Sony's HVR-M15AE allows you to playback and record High Definition pictures on a standard DV format cassette - providing both a highly cost

effective format and full 1080 line resolution.

Now with the added benefit of Native Progressive recording and playback, the HVR-M15AE offers a truly flexible selection of options for a variety of different applications.

### Not just for HDV

With the Sony HVR-M15AE, you are able to switch between DV, DVCAM and HDV recording and playback giving you full flexibility to record and review in either Standard or High Definition depending on your chosen footage.

### Portable and Compact

The clever design of the HVR-M15AE means that users can position the VTR either vertically or horizontally depending on individual needs

### Easy integration to the way you already work. Migration to HD workflow or using existing SD workflow, you choose.

Continuity of workflow can be very important. Enjoying the benefits of the HVR-M15AE does not mean that you need to change the way you work. Like DVCAM VTR's, a full range of connectivity is available for external devices including Composite In/Out, S-video In/Out, Component Out and i.LINK (IEEE1394). In addition, you can choose to convert your HDV footage with the in-built down-converter to output in Standard Definition if required.

### A comprehensive support service

Just like the rest of the HDV range, the HVR-M15AE benefits from two years Silver Support warranty as standard providing a unique after-sales care programme offering enhanced support and service.

## Technical Specifications

### --Recording/playback performance--

#### Recording format

HDV	HDV1080/60i, 1080/50i, 1080/24p, 1080/25p, 1080/30p
DVCAM / DV SP	DVCAM, DV SP 480/60i (NTSC), 576/50i (PAL)

#### Playout format

HDV	HDV1080/60i, 1080/50i, 1080/24p, 1080/25p, 1080/30p
DVCAM / DV SP	DVCAM, DV SP 480/60i (NTSC), 576/50i (PAL)
Playout video signal	1080/60i, 1080/50i, 480/60i (NTSC), 576/50i (PAL)

#### Tape speed

HDV/DV SP	Max. 18.812 mm/s
DVCAM	Max. 28.218 mm/s

**Playback/recording time**

HDV/DV SP	Max. 276 min with PHDV-276DM cassette Max. 63 min with PHDVM-63DM cassette
DVCAM	Max. 184 min with PHDV-276DM cassette
Fast forward/rewind time	Max. 41 min with PHDVM-63DM cassette Approx. 2.5 min with PHDV-276DM cassette

**--Input/output connectors/devices--**

Video input/output	RCA x 1 / RCA x 1 [1Vp-p , 75ohm unbalanced, sync negative Sync signal : 0.286Vp-p (50i / NTSC) , 0.3Vp-p (60i / PAL) Burst signal : 0.286Vp-p (50i / NTSC) , 0.3Vp-p (60i / PAL)
S-video input/output	Mini-DIN 4pin x 2 Y : 1Vp-p , 75ohm unbalanced, sync negative Sync signal : 0.286Vp-p (60i / NTSC) , 0.3Vp-p (50i / PAL) Chrominance signal : 0.286Vp-p (60i / NTSC),(burst, 75ohm) , 0.3Vp-p (50i / PAL),(burst, 75ohm)
Component video output	RCA pin x 3 Output at 480i NTSC With[BETACAM] selected in [480i LEVEL] of the [IN/OUT REC] menu Y : 1 Vp-p (0.286Vp-p sync negative, output impedance 75ohm unbalanced) Pb / Cb / B-Y , Pr / Cr / R-Y : 0.7Vp-p (output impedance 75ohm unbalanced) (75% color bar with 7.5% IRE setup) With[SMPTE] selected in [480i LEVEL] of the [IN/OUT REC] menu Y : 1 Vp-p (0.3Vp-p sync negative, output impedance 75ohm unbalanced) Pb / Cb/B-Y , Pr / Cr / R-Y : 0.7Vp-p (output impedance 75ohm unbalanced)(100% color bar with no setup) Output with other settings Y : 1 Vp-p (output impedance 75ohm unbalanced) Pb / Cb / B-Y , Pr / Cr / R-Y : 0.7Vp-p (output impedance 75ohm unbalanced)(100% color bar with no setup) 480i / 480p : Y : with 0.3Vp-p sync negative 1080i / 720p : Y / Pb / Pr : with 0.6Vp-p 3-level sync
i.LINK	6-pin
Digital uncompressed output	-
Phones	-
LANC	Stereo mini-minijack ( 2.5 mm)
Control S	Stereo minijack ( 3.5 mm)
Audio input	RCA x2, stereo Input level : -10dBu, input impedance: min. 47 ohm unbalanced, max Input level : +18dBu (approx. 6Vrms) 60i , +16dBu (approx. 5Vrms)50i
Audio output	RCA x2, stereo impedance : max. 1k/ohm unbalanced, Output level : -10dBu (=full bit -20dB) impedance 47 ohm unbalanced 60i, -10dBu (=full bit -18dB) impedance 47 ohm unbalanced 50i
LCD monitor	-

**--General--**

Mass	Approx. 2.3 kg (5 lb 1 oz)
Power requirements	DC 8.4 V
Power consumption	6 W (playback mode)
Operating temperature	5 to 40° C (41 to 104° K)
Storage temperature	-20 to +60° C (-4 to 140° K)

**Supplied Accessories**

	Operation Manual Cleaning Cassette 2 x AA size batteries Stand (for vertical mounting) Power Cord
AC-L100	New AC Adaptor
RMT-DS7	New Remote Commander