

# SONY

# HDV HDV 1080i

## HVR-M25E HVR-M15E



### DIGITAL HD VIDEO TAPE RECORDERS

#### High Definition, not high operating costs

Thanks to Sony's HDV 1080i video tape recorders (VTRs), there's no need to keep your camcorder in-house during edit sessions. These affordable, professional VTRs record and play HDV at all the same frame rates as the HVR-Z1E and HVR-A1E camcorders. What's more, the VTRs record and play DVCAM and mini-DV tapes, to support your smooth migration from SD to HD.

#### Up to 276 minutes of HD on a single tape

These VTRs support both mini and standard cassettes, for extended recording and playback time. Using a single Sony DigitalMaster™ standard size cassette, you can record up to 276 minutes in HDV and DV mode or 184 minutes in DVCAM mode.

#### SMPT E time code and external time code copy

As true professional VTRs, the HVR-M25E and HVR-M15E both offer SMPT E time code to identify each hour, minute, second and frame. Both VTRs can also copy external time code thanks to the HDV/DV in TC. The HVR-M25E goes further with the Duplicate Plus dubbing function which carries audio, video, time code and user bits over the i.LINK IEEE 1394 interface.\* Duplicate Plus enables you to copy an HDV, DV or DVCAM work tape with the original time code intact by activating the Duplicate Plus function on the recorder.

#### Point of information display

The HVR-M25E and HVR-M15E can also be used as High Definition players at retail, tradeshow and other points of information. The HVR-M15E offers a playback repeat function, while the HVR-M25E adds programmable Custom Repeat and an HDMI™ output for High Definition consumer televisions.

#### Common features

- HDV 1080i recording/playback for superb High Definition imagery.
- DVCAM and DV recording/playback integrates with SD infrastructure and SD tapes.
- Down-conversion of HDV 1080i recordings to SD via the i.LINK IEEE 1394 interface.
- Conversion from 1080i to 720p via analogue component outputs and (in the HVR-M25E only) HDMI™ output.
- Choice of edge crop, letterbox or squeeze in HD to SD down-conversion.
- i.LINK IEEE 1394 input/output in HD and SD enables digital transfer of A/V.
- Analogue component video output in HD and SD.
- S-Video and composite video input and output in SD.
- Audio Dubbing in SD and HD for flexible post-production.
- SMPT E time code with reset.
- HDV/DV IN time code copies external time code.
- Auto repeat.
- 2-year Silver Support warranty for additional peace of mind.

#### HVR-M15E exclusive features

- Vertical or horizontal operation saves precious desktop space.
- Audio recording level -6/0/+6 dB settings and Automatic Gain Control (AGC).

#### HVR-M25E exclusive features

- 2.7-inch (viewable area measured diagonally) Clear Photo LCD Plus™ monitor.
- SMPT E time code with user bit and reset.
- Duplicate Plus with time code and user bit.
- HDMI™ output for connection to consumer HD televisions.
- Edge crop adjustment enables you to customise the down-conversion from HD to SD.
- Assignable buttons.
- Custom Repeat enables you to pre-set repeat times, cycle and start time.
- Audio recording level controls.
- Headphone jack.



Dual-size  
Cassette  
Mechanism



HVR-M15E



HVR-M25E

\* i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an IEEE 1394 connector may not communicate with each other. Please refer to the documentation that comes with any device having an i.LINK connector for information on compatibility, operating conditions and proper connection.

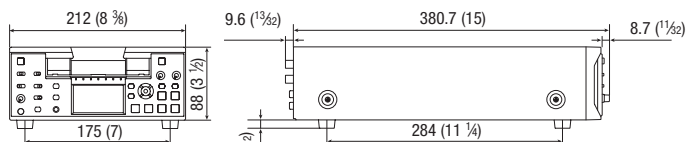
## SPECIFICATIONS

	HVR-M25E	HVR-M15E
<b>Recording/playback performance</b>		
Recording format	1080/50i, 1080/60i, 576/50i (PAL), 480/60i (NTSC)	
Playout/down conversion format	1080/50i, 1080/60i, 576/50i (PAL), 480/60i (NTSC), 576/50P, 480/60P, 720/50P, 720/60P	1080/50i, 1080/60i, 576/50i (PAL), 480/60i (NTSC), 576/50P, 480/60P
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
		Max. 41 min with PHDVM-63DM cassette
Fast forward/rewind time	Approx. 2 min with PHDV-276DM cassette	
<b>Input/output connectors/devices</b>		
Video input/output	BNC x 2 Video signal: 1 Vp-p, 75 Ω unbalanced, sync negative	RCA pin x 2 Video signal: 1 Vp-p, 75 Ω unbalanced, sync negative
S-video input/output	Mini-DIN 4-pin x 2 Y: 1 Vp-p, 75 Ω unbalanced, sync negative C: 0.286 Vp-p (NTSC), 0.3 Vp-p (PAL), 75 Ω unbalanced,	
Component video output	BNC x 3 Y: 1 Vp-p (0.3 V, sync negative) Pr/Pb (Cr/Cb): 700 mVp-p (100% color bar), input impedance 75 Ω	RCA pin x 3 Y: 1 Vp-p (0.3 V, sync negative) Pr/Pb (Cr/Cb): 700 mVp-p (100% color bar), input impedance 75 Ω
i.LINK	4-pin	
HDMI output	19-pin (type A), video: 1080/50i, 1080/60i, 576/50i (PAL), 480/60i (NTSC), 720/50P, 720/60P, 576/50P, 480/60P, audio: PCM 48 kHz/16-bit	—
Phones	Stereo minijack (ø 3.5 mm), 8 Ω loading	
LANC	Stereo mini-minijack (ø 2.5 mm)	
Control S	Stereo minijack (ø 3.5 mm)	
Audio input	RCA pin x 2 Input level: -10/-2/+4 dBu, input impedance: min. 47 kΩ unbalanced, max. input level: -10: +18 dBu (approx. 6 Vrms), -2: +24 dBu (approx. 12.5 Vrms), +4: +30 dBu (approx. 25 Vrms)	RCA pin x 2 Input level: -10 dBu, input impedance: min. 10 kΩ unbalanced, max input level: +16 dBu (approx. 5 Vrms) in 60i mode, +14 dBu (approx. 4 Vrms) in 50i mode
Audio output	RCA pin x 2 Output level: -10 dBu (full bit -20 dB), impedance 47 kΩ, unbalanced in 60i mode, -10 dBu (full bit -18 dB), impedance 47 kΩ, unbalanced in 50i mode Impedance: max. 1 kΩ unbalanced	
LCD monitor	2.7-inch type, approx. 211,200 dots (960 x 220), Clear Photo LCD Plus	—
<b>General</b>		
Mass	Approx. 4.3 kg (9 lb 8 oz)	Approx. 2.3 kg (5 lb 1 oz)
Power requirements	AC 120 V, 60 Hz	
Power consumption	12 W (playback mode with LCD monitor on)	8 W (playback mode)
Operating temperature	5 to 40°C (41 to 104°F)	
Storage temperature	-20 to +60°C (-4 to 140°F)	
Supplied accessories	Remote commander (1), power cord (1), size AA batteries (2), cleaning cassette (1), operating instructions (1)	Remote commander (1), AC adaptor (1), power cord (1), stand (1), size AA batteries (2), cleaning cassette (1), operating instructions (1)
Optional accessories	VMC-IL4408A/IL4415/IL4435 i.LINK Cable (4-pin to 4-pin, 0.8/1.5/3 m), VMC-IL4615/IL4635 i.LINK Cable (4-pin to 6-pin, 1.5/3.5 m), DLC-HM15/HM30/HM50 HDMI Cable (1.5/3/5 m), PHDV-276DM/186DM/124DM/64DM DigitalMaster Standard Cassette Tape, PHDVM-63DM DigitalMaster Mini Cassette Tape	

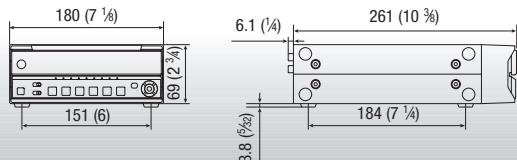
## DIMENSIONS

Unit: mm (inch)

### HVR-M25E



### HVR-M15E



HVR-M25E Rear panel



HVR-M15E Rear panel