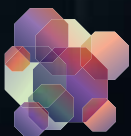


# Longer Recording Easy Management

SONY'S PROFESSIONAL HARD DISK UNIT



PHU-220R



## The New Professional Hard Disk Unit For Longer Recording Capacity

The PHU-220R Professional Hard Disk Unit advances the workflow of digital videographer to the next level with its high capacity video and data recording. Equipped with 220GB\* capacity, it allows for longer continuous recording, giving users superior cost-to-GB ratio. These result in an improved XDCAM™ functionalities as well as strengthening Sony's line-up in the memory media field. In addition, the unit is also equipped with CyberCapture™ technology, for stable data write speeds (minimum 35Mbps) even during moments of physical shocks and jolts.

### Drive Select Mode

By moving the MODE SELECT switch, the PHU-220R transforms from a single 220GB drive to three capacious 73GB drives. This makes it convenient for the professional to manage storage resources in the field. Accessing the A, B or C drives is as simple as pressing the DRIVE SELECT switch.



### Recording Time\*

| Mode Setting     | Recording Time (approx.) |             | Audio Format            |
|------------------|--------------------------|-------------|-------------------------|
|                  | 220GB                    | 73GB X 3    |                         |
| HQ mode (35Mbps) | 730 min                  | 243 min X 3 | LPCM 16-bit, 48kHz, 2ch |
| SP mode (25Mbps) | 950 min                  | 317 min X 3 | LPCM 16-bit, 48kHz, 2ch |
| DV mode (25Mbps) | 890 min                  | 297 min X 3 | LPCM 16-bit, 48kHz, 2ch |

\* These recording times are for reference using XDCAM EX series products.

### CyberCapture™ Technology

CyberCapture™ is a software technology that helps to reduce the chances of 'dropped-frames' for smooth judder free recording under harsh environmental conditions e.g. high humidity, vibration and shock. As the transfer rate on the outer tracks is twice that of the inner tracks of the hard disk platter, CyberCapture™ technology will balance the recording load between the tracks, ensuring a minimum data transfer rate of 35Mbps even under conditions of stress. In normal operation conditions, the PHU-220R is capable of up to 192Mbps.

### Shock Resistant Technology

A whole suite of anti-shock technology is at work to protect video recording.

**Shock Resistant** – A special insulator designed for the PHU-220R enables it to resist damage from a drop height of up to 1.5m.

**Auto Head Parking** – In the event the hard disk is dropped or when the tripod has been tipped over, the reading head of the PHU-220R is automatically returned to its safety zone to avoid damaging the hard disk platters.

**Shock Proof Memory** – Equipped with a memory buffer, the PHU-220R records for a maximum nine seconds even if external shock or vibration stops the data writing process.

### Product Specification

|                             |   |
|-----------------------------|---|
| Interface                   | Hi-speed USB (USB 2.0)  |
| HDD                         | 220GB or 73GB x 3   |
| User Capacity**             | Approx. 220GB or approx. 73.3GB   |
| File System                 | FAT32, 32KB   |
| Supported Operating Systems | Windows 7, Windows Vista, Windows XP, Mac OS X (10.4 or later)  |
| Power Requirements          | DC IN 12V, Battery 14.4V  |
| Power Consumption           | Average Approx. 4W  |
| Battery Operating Time      | Approx. 12hours in recording mode   |
| Operating Temperature       | 0 °C – 40 °C  |
| Storage Temperature         | -20 °C – 60 °C  |
| Operating/Storing Humidity  | 8 – 90 % (no condensation)  |
| Operating Altitude          | -300 – +5,000m, 1.04 atm – 0.5 atm (1054 hPa – 506 hPa)   |
| Storage Altitude            | -300 – +12,000m, 1.04 atm – 0.3 atm (1054 hPa – 304 hPa)  |
| Shock Resistant***          | 150cm   |
| Weight                      | Approx. 220g, Shoe Adaptor Approx. 87g  |
| Dimensions                  | PHU-220R Approx. 89 x 135 x 32mm (Approx. 89 x 135 x 59mm with BP-U30)<br>Shoe Adaptor Approx. 48 x 36 x 37mm |

\*\* User capacity may differ depending on the hardware used for formatting. Approximately 220GB capacity is available when shipped out of the factory.

\*\*\* Based upon test. This does not guarantee no damage to the unit or the contents.

### Compatibility Chart

| 1-drive mode (220GB) / 3-drive mode (73GB X 3)  |  |  |  |  |
|---|--|--|--|--|
| <br>PMW-EX1R | <br>PMW-F3  | <br>PMW-320, PMW-350, PMW-500 | <br>Working with PC | <br>PXU-MS240 |
| 3-drive mode (73GB X 3) ONLY  |  |  |  |  |
| <br>PMW-EX1  | <br>PMW-EX3 | <br>PMW-EX30                  |  |  |