

Recorders

# HD/SD Digital Video Recorder

## HDR-70

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| Video Standard                            | HD & SD                                                                                                                                                                                                                                                                                                                                                                             |
| Video Format                              | 1080p 23.97/24Hz<br>1080i 50/59.94/60Hz<br>720p 50/59.94/60Hz<br>576i 50Hz, 480i 59.94Hz                                                                                                                                                                                                                                                                                            |
| Supported Video Input Signal              | 1x SDI                                                                                                                                                                                                                                                                                                                                                                              |
| Video Output                              | 1x SDI (Input Loop Thru)<br>1x HDMI, 1x SDI (Out)                                                                                                                                                                                                                                                                                                                                   |
| Analog Audio Input                        | 2x Balanced XLR (Stereo pair)                                                                                                                                                                                                                                                                                                                                                       |
| Analog Audio Output                       | 2x Balanced XLR                                                                                                                                                                                                                                                                                                                                                                     |
| Embedded Audio                            | Both In & Out (8-CH on SDI/HDMI)                                                                                                                                                                                                                                                                                                                                                    |
| Storage Medium                            | 2.5" Hard Drive / SSD*, Max capacity 1TB                                                                                                                                                                                                                                                                                                                                            |
| Multi-channel Recording                   | 1-CH HD only                                                                                                                                                                                                                                                                                                                                                                        |
| Estimated Record Time (min per 10GB)      | SD: 19 (50Mbps) ~ 70 (8Mbps)<br>HD: 8 (125Mbps) ~ 62 (10Mbps)                                                                                                                                                                                                                                                                                                                       |
| Recording Media                           | 1x 2.5" Removable HDD/ SSD                                                                                                                                                                                                                                                                                                                                                          |
| Storage File System                       | NTFS                                                                                                                                                                                                                                                                                                                                                                                |
| Recorded File Format                      | MXF OP1A, MOV                                                                                                                                                                                                                                                                                                                                                                       |
| Video Recording Bit Rate / Color Sampling | MPEG2 Long GOP HD:<br>1. 10/ 25Mbps 4:2:0 1440x1080/1280x720,<br>2. 35/ 50/ 65/ 120Mbps 4:2:2 1920x1080/1280x720,<br>MPEG2 Long GOP SD:<br>1. 8Mbps 4:2:0 720x480/720x576 (to be F/W upgrade)<br>2. 15/ 30/ 50Mbps 4:2:2 720x480/720x576<br>MPEG2 I-Frame Only HD:<br>1. 80/ 100/ 125Mbps 4:2:2 1920x1080/1280x720<br>MPEG2 I-Frame Only SD:<br>1. 25/ 50Mbps 4:2:2 720x480/720x576 |
| Audio Recording Format                    | Uncompressed PCM<br>Sampling rate 48KHz 24bit                                                                                                                                                                                                                                                                                                                                       |
| Preview Display                           | ---                                                                                                                                                                                                                                                                                                                                                                                 |
| Time Code In / Out                        | Yes                                                                                                                                                                                                                                                                                                                                                                                 |
| External Sync / Genlock                   | Black Burst & Tri-level with loop thru                                                                                                                                                                                                                                                                                                                                              |
| External Control                          | RS-232/422 (Dsub 9pin), GPI (min XLR)                                                                                                                                                                                                                                                                                                                                               |
| Power Failure Protection                  | Content saved up to last second before power failure                                                                                                                                                                                                                                                                                                                                |
| Chassis                                   | 1RU 19" rack-mountable                                                                                                                                                                                                                                                                                                                                                              |
| Dimension (LxWxH)                         | 288 x 481 x 49 mm                                                                                                                                                                                                                                                                                                                                                                   |
| Weight                                    | 3.1 kg                                                                                                                                                                                                                                                                                                                                                                              |
| Operating Temp. Range                     | 0~40 °C                                                                                                                                                                                                                                                                                                                                                                             |

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| Power             | DC 12V, 2A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| What's in the Box | 1 x HDR-70 product<br>1 x AD Switch DC 12V<br>1 x USB Cable (Y type)<br>2 x 2.5" Removable HDD Enclosure (HDD Not Included)<br>10 x M3 X 4 m/m Screws<br>2 x 2.0 X 6 m/m Screws<br>2 x HD Label<br>4 x Label<br>2 x L type stand                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Approved Drives   | Crucial MX220 (250GB)<br>Hitachi 7K320-320 (320GB)<br>Intel 330 Series (120GB)<br>Intel 520 Series (120GB)<br>Kingston Hyper X (240GB)<br>Kingston Hyper X (128GB)<br>Samsung 840 EVO (1TB)<br>Samsung 840 PRO (128GB)<br>Samsung 850 PRO (256GB)<br>Sandisk Extreme (120GB)<br>Sandisk Extreme (240GB)<br>Sandisk Extreme II (120GB)<br>Sandisk Extreme II (240GB)<br>Sandisk X110<br>Sandisk X300s (512GB)<br>Silicon Power V30 (120GB)<br>Transcend SSD320 (120GB)<br>Transcend SSD370 (512G)<br>WD WD3200BEKT (320G)<br>WD WD5000BEKT (500GB)<br>WD WD5000BPKT (500GB)<br>WD WD3200LPLX (320GB)<br>WD WD5000LPLX (500GB)<br>WD WD7500BPKT (750GB) |