

GRABADORES DATAVIDEO 2023

Model	HDR-90	HDR-80	HDR-70	HDR-60
Código Crambo	81136	81135	37384	37383
Product	ProRes 4K Video Recorder-1U Rackmountable	ProRes 4K Video Recorder- Desktop	HD/SD Digital Video Recorder	HD/SD Digital Video Recorder
URL	https://www.datavideo.com/eu/product/HDR-90	https://www.datavideo.com/eu/product/HDR-80	https://www.datavideo.com/eu/product/HDR-70	https://www.datavideo.com/eu/product/HDR-60
Video Standard	UHD & HD	UHD & HD	HD & SD	HD & SD
Video Format	2160p 23.98/24/25/29.97/30/50/59.94/60Hz 1080p 23.98/24/25/29.97/30/50/59.94/60Hz 1080i 50/59.94/60Hz 720p 50/59.94/60Hz	2160p 23.98/24/25/29.97/30/50/59.94/60Hz 1080p 23.98/24/25/29.97/30/50/59.94/60Hz 1080i 50/59.94/60Hz 720p 50/59.94/60Hz	1080p 23.97/24Hz 1080i 50/59.94/60Hz 720p 50/59.94/60Hz 576i 50Hz, 480i 59.94Hz	1080p 23.97/24Hz 1080i 50/59.94/60Hz 720p 50/59.94/60Hz 576i 50Hz, 480i 59.94Hz
Supported Video Input Signal	1x 3G/12G-SDI 3x 3G-SDI 1x HDMI 2.0 1x HDMI 1.4	1x 3G/12G-SDI 3x 3G-SDI 1x HDMI 2.0 1x HDMI 1.4	1x SDI	1x SDI
Video Output	1x 3G/12G-SDI 1x HDMI 2.0 3x HDMI 1.4	1x 3G/12G-SDI 1x HDMI 2.0 3x HDMI 1.4	1x SDI (Input Loop Thru) 1x HDMI, 1x SDI (Out)	1x SDI (Input Loop Thru) 1x HDMI, 1x SDI (Out)
Analog Audio Input	2x Balanced XLR	2x Balanced XLR	2x Balanced XLR (Stereo pair)	2x Balanced mini XLR (Stereo pair)
Analog Audio Output	2x Balanced XLR	2x Balanced XLR	2x Balanced XLR	2x Balanced Mini XLR
Embedded Audio	SDI Input / Output (8CH) HDMI Input / Output (8CH)	SDI Input / Output (8CH) HDMI Input / Output (8CH)	Both In & Out (8-CH on SDI/HDMI)	Both In & Out (8-CH on SDI/HDMI)
Storage Medium	2.5" SSD	2.5" SSD	2.5" Hard Drive / SSD*, Max capacity 1TB	2.5" Hard Drive / SSD*, Max capacity 1TB
Multi-channel Recording	Yes, 4-CH HD	Yes, 4-CH HD	1-CH HD only	1-CH HD only
Estimated Record Time (min per 10GB)	256GB: 4K60: 1h21m (Proxy), 36m (LT), 25m (422), 17m (HQ) 3G: 5h6m (Proxy), 2h22m (LT), 1h40m (422), 1h7m (HQ) ITB: 4K60: 5h26m (Proxy), 2h26m (LT), 1h42m (422), 1h8m (HQ) 3G: 20h25m (Proxy), 9h30m (LT), 6h42m (422), 4h30m (HQ)	256GB: 4K60: 1h21m (Proxy), 36m (LT), 25m (422), 17m (HQ) 3G: 5h6m (Proxy), 2h22m (LT), 1h40m (422), 1h7m (HQ) ITB: 4K60: 5h26m (Proxy), 2h26m (LT), 1h42m (422), 1h8m (HQ) 3G: 20h25m (Proxy), 9h30m (LT), 6h42m (422), 4h30m (HQ)	SD: 19 (50Mbps) ~ 70 (8Mbps) HD: 8 (125Mbps) ~ 62 (10Mbps)	SD: 19 (50Mbps) ~ 70 (8Mbps) HD: 8 (125Mbps) ~ 62 (10Mbps)
Recording Media	2x 2.5" Removable SSD	2x 2.5" Removable SSD	1x 2.5" Removable HDD/ SSD	1x 2.5" Removable HDD/ SSD
Storage File System	exFAT	exFAT	NTFS	NTFS
Recorded File Format	QuickTime .MOV	QuickTime .MOV	MXF OP1A, MOV	MXF OP1A, MOV
Video Recording Bit Rate / Color Sampling	ProRes 422 HQ ProRes 422 ProRes 422 LT ProRes 422 Proxy	ProRes 422 HQ ProRes 422 ProRes 422 LT ProRes 422 Proxy	MPEG2 Long GOP HD: 1. 10/ 25Mbps 4:2:0 1440x1080/1280x720, 2. 35/ 50/ 65/ 120Mbps 4:2:2 1920x1080/1280x720, MPEG2 Long GOP SD: 1. 8Mbps 4:2:0 720x480/720x576 (to be F/W upgrade) 2. 15/ 30/ 50Mbps 4:2:2 720x480/720x576 MPEG2 I-Frame Only HD: 1. 80/ 100/ 125Mbps 4:2:2 1920x1080/1280x720 MPEG2 I-Frame Only SD: 1. 25/ 50Mbps 4:2:2 720x480/720x576	MPEG2 Long GOP HD: 1. 10/ 25Mbps 4:2:0 1440x1080/1280x720, 2. 35/ 50/ 65/ 120Mbps 4:2:2 1920x1080/1280x720, MPEG2 Long GOP SD: 1. 8Mbps 4:2:0 720x480/720x576 (to be F/W upgrade) 2. 15/ 30/ 50Mbps 4:2:2 720x480/720x576 MPEG2 I-Frame Only HD: 1. 80/ 100/ 125Mbps 4:2:2 1920x1080/1280x720 MPEG2 I-Frame Only SD: 1. 25/ 50Mbps 4:2:2 720x480/720x576
Audio Recording Format	Uncompressed PCM Sampling rate 48KHz 24bit	Uncompressed PCM Sampling rate 48KHz 24bit	Uncompressed PCM Sampling rate 48KHz 24bit	Uncompressed PCM Sampling rate 48KHz 24bit
Preview Display	5" Touch LCD	5" Touch LCD	---	---
Time Code In / Out	Yes	Yes	Yes	Yes
External Sync / Genlock	Black Burst & Tri-level with loop thru	Black Burst & Tri-level with loop thru	Black Burst & Tri-level with loop thru	Black Burst & Tri-level with loop thru
External Control	RS-232/422 (Dsub 9pin), DVIP (Ethernet), GPI (3.5Ø phone jack)	RS-232/422 (Dsub 9pin), DVIP (Ethernet), GPI (3.5Ø phone jack)	RS-232/422 (Dsub 9pin), GPI (min XLR)	RS-232/422 (Dsub 9pin), GPI (min XLR)
Power Failure Protection	----	----	Content saved up to last second before power failure	Content saved up to last second before power failure
Chassis	1RU rack-mountable	Desktop	1RU 19" rack-mountable	Desktop
Dimension (LxWxH)	440 x 300 x 49 mm	313 x 220 x 97 mm	288 x 481 x 49 mm	210 x 254 x 96 mm
Weight	4 kg	2.8 kg	3.1 kg	2.7 kg
Operating Temp. Range	0~40 °C	0~40 °C	0~40 °C	0~40 °C
Power	DC 12V	DC 12V, 3A	DC 12V, 2A	DC 12V, 2A
What's in the Box	1 x HDR-90 Main Unit 1 x Adaptor + AC Cord 2 x 2.5" Removable HDD/SSD Enclosure 8 x Screws for 2.5 Removable HDD/SSD Enclosure 1 x Blank Label 1 x SATA to USB Cable 2 x Ear mount kit 6 x M4 x 8mm screws	1 x HDR-80 Main Unit 1 x Adaptor + AC Cord 2 x 2.5" Removable HDD/SSD Enclosure 8 x Screws for 2.5 Removable HDD/SSD Enclosure 2 x Blank Label 1 x SATA to USB Cable	1 x HDR-70 product 1 x AD Switch DC 12V 1 x USB Cable (Y type) 2 x 2.5" Removable HDD Enclosure (HDD Not Included) 10 x M3 X 4 m/m Screws 2 x 2.0 X 6 m/m Screws 2 x HD Label 4 x Label 2 x L type stand	1 x HDR-60 product 1 x AD Switch DC 12V 1 x USB Cable (Y type) 2 x Mini XLR F to M XLR cable 2 x Mini XLR F to F XLR cable 2 x 2.5" Removable HDD Enclosure (HDD Not Included) 10 x M3 X 4 m/m Screws 2 x 2.0 X 6 m/m Screws 2 x HD Label 4 x Label
Approved Drives	Samsung 870 EVO SSD	Samsung 870 EVO SSD	Crucial MX220 (250GB) Hitachi 7K320-320 (320GB) Intel 330 Series (120GB) Intel 520 Series (120GB) Kingston Hyper X (240GB) Kingston Hyper X (128GB) Samsung 840 EVO (1TB) Samsung 840 PRO (128GB) Samsung 850 PRO (256GB) Sandisk Extreme (120GB) Sandisk Extreme (240GB) Sandisk Extreme II (120GB) Sandisk Extreme II (240GB) Sandisk X110 Sandisk X300s (512GB) Silicon Power V30 (120GB) Transcend SSD320 (120GB) Transcend SSD370 (512G) WD WD3200BEKT (320G) WD WD5000BEKT (500GB) WD WD5000BPKT (500GB) WD WD3200PLX (320GB) WD WD5000PLX (500GB) WD WD7500BPKT (750GB)	Crucial MX220 (250GB) Hitachi 7K320-320 (320GB) Intel 330 Series (120GB) Intel 520 Series (120GB) Kingston Hyper X (240GB) Kingston Hyper X (128GB) Samsung 840 EVO (1TB) Samsung 840 PRO (128GB) Samsung 850 PRO (256GB) Sandisk Extreme (120GB) Sandisk Extreme (240GB) Sandisk Extreme II (120GB) Sandisk Extreme II (240GB) Sandisk X110 Sandisk X300s (512GB) Silicon Power V30 (120GB) Transcend SSD320 (120GB) Transcend SSD370 (512G) WD WD3200BEKT (320G) WD WD5000BEKT (500GB) WD WD5000BPKT (500GB) WD WD3200PLX (320GB) WD WD5000PLX (500GB) WD WD7500BPKT (750GB)