

4K Media Recorder

IR-7523



Max. 4K 120p



A portable video recorder that uses CFexpress as a recording media. This unit supports the recording and playback of 4K 120p images on a stand-alone basis, and by connecting multiple units, you can record and play video with any extended resolution and frame rate.

ProRes

Features

- 4K YC_BCr 4:2:2 120p can be recorded on a stand-alone basis
- A CFexpress TypeB card (sold separately) is used for recording media
- Compatible with fixed 1/6 compression recording
- Supports Apple ProRes 422 HQ/422/422 LT (Container format .MOV) (Optional function)
- Supports relay capturing with dual slots
- Equipped with a function to slowly playback recorded 4K YC_BCr 4:2:2 120p video at 60p or less
- Multiple video recorders can be connected for arbitrary extended resolutions in units of 4K (extended in the future)
- Multiple-unit connected operation enables video recording at an arbitrary extended frame rate with 60p/120p as one unit (future expansion)
- Supports 12G/6G/3G/HD-SDI, HDMI 2.0 (OUTPUT)
- Supports 25G/100GbE (future extensions/options), 25GbE/100GbE complies with SMPTE ST 2110-10 /-20/-30/-40
- Equipped with TIMECODE input/output terminals (LTC only)
- Supports MADI, Analogue and Audinate Dante
- Genlock(BB/3 Synchronization Signal) input is equipped
- Supports up to 32-channel audio (uncompressed, 24-bit) recording
- Equipped with both DC power input and AC power input

Recording Time

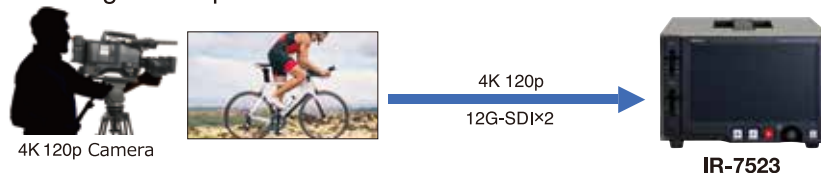
4K	24p	25p	30p	50p	60p	100p	120p
Fixed 1/6 compression	100 minutes	96 minutes	80 minutes	48 minutes	40 minutes	24 minutes	20 minutes
ProRes 422 HQ	80 minutes	76 minutes	64 minutes	38 minutes	32 minutes	19 minutes	16 minutes
ProRes 422	114 minutes	110 minutes	91 minutes	55 minutes	45 minutes	27 minutes	22 minutes
ProRes 422 LT	146 minutes	140 minutes	116 minutes	70 minutes	58 minutes	35 minutes	29 minutes

HD	24p / 24PsF	25p / 50i	30p / 60i	50p	60p	100p	120p
Fixed 1/6 compression	292 minutes	281 minutes	234 minutes	140 minutes	117 minutes	70 minutes	58 minutes
ProRes 422 HQ	246 minutes	236 minutes	197 minutes	117 minutes	98 minutes	58 minutes	48 minutes
ProRes 422	320 minutes	307 minutes	256 minutes	153 minutes	128 minutes	76 minutes	64 minutes
ProRes 422 LT	356 minutes	342 minutes	285 minutes	171 minutes	142 minutes	85 minutes	71 minutes

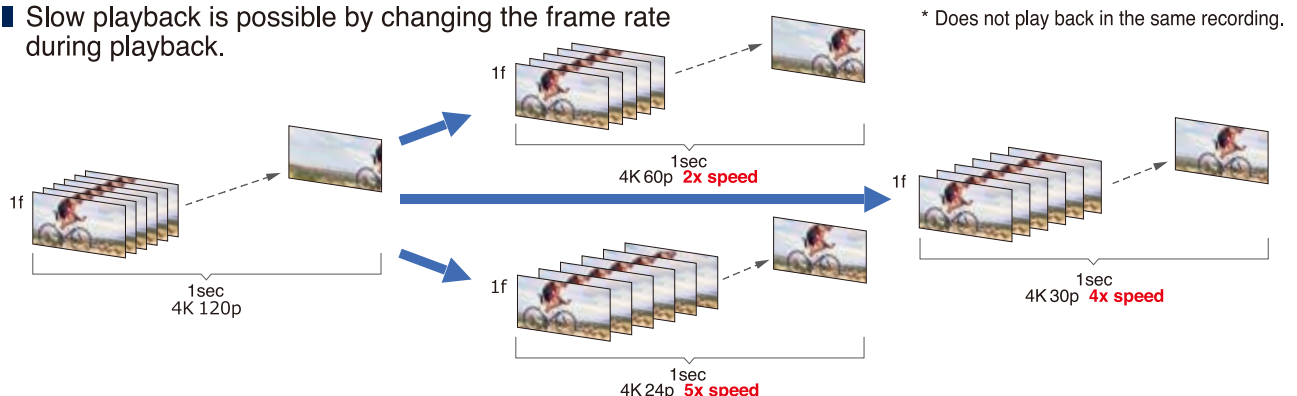
* Recording time is provisional. * : When PP001-00 (CFexpress/ 640 GB) is used

Use of Slow Playback 4K 120p

Recording 4K 120p content to the main unit



Slow playback is possible by changing the frame rate during playback.



Specifications

Items	Specifications	
Video Input/Output	4K	12G-SDI × 2 3840 × 2160 120p/119.88p/100p 12G-SDI × 1 3840 × 2160 60p/59.94p/50p 6G-SDI × 1 3840 × 2160 30p/29.97p/25p/24p/23.98p 3G-SDI × 4 3840 × 2160 60p/59.94p/50p Ancillary data (voice, TC) compatible
	HD (*1)	3G-SDI × 1 1920 × 1080 60p/59.94p/50p HD-SDI × 1 1920 × 1080 60i/59.94i/50i/30p/30PsF/29.97p/29.97PsF/25p/25PsF/ 24p/24PsF/23.98p/23.98PsF Ancillary data (voice, TC) compatible
		(Future extension) 25Gb/100Gb Ethernet (SMPTE ST 2110-10/-20/-30/-40) 2-system PTP (ST 2059) compatible
MONITOR OUT	* Same as 1	
HDMI OUT	HDMI 2.0 One system	
Sync Signal Input	HD3/BB Signal 75 Ω BNC Passive Through (Auto Termination)	
MADI Input/Output	75 Ω BNC 1 system	
TIMECODE Input/Output	BNC 1 system LTCs only	
ANALOG AUDIO Input/Output	Connector XLR3-pin concave 1-pin: GND 2-pin: HOT 3-pin: COLD	
	AUDIO IN: LINE/MIC/MIC +48 switchable AUDIO OUT: balanced power level: max. +24dBu	

Items	Specifications	
GPIO	Remote operation status output	
LAN	1000Base-T Ethernet NMOS compatible file-transfer	
Dante	1000Base-T	
PC I/F	32Gbps file-transfer	
Headphones	3.5mm Stereo mini jack	
SD	SD 2.0 Card slot device maintenance (upgrade), log output	
USB 2.0	Extended capabilities	
Record Mode	Image	Fixed 1/6 codec YCbCr 4:2:2 10 bits Apple ProRes 422 HQ/422/422 LT (Optional function)
	Audio	Linear PCM 48kHz 24-bit 32 audio channel
Container format	Fixed 1/6 codec .RAW Apple ProRes .MOV	
Recordable Media	CFexpress card	

General Specifications	Specifications	
Power Requirements	DC IN	DC12.0 to 17.0V
	AC IN	AC100 to 240V
Power Consumption	120W MAX	
Operating Temperature Range	0 to 40°C	
Operating Humidity Range	20 to 80%RH (No Condensation)	
Dimensions	210 (W) × 133 (H) × 310 (D)mm (Excluding Protrusions)	
Weight	Approx. 3.0kg (Not including recording media)	

Front, Rear Panel



* Apple is a trademark of Apple Inc., registered in the U.S. and other countries and regions. * Apple ProRes is trademarks of Apple Inc.

* The specifications are subjected to change without notice.

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