

HXR-IFR5

Interface Unit for NEX-
FS700R/RH 2K/4K RAW



Overview

Expand 4K/2K RAW recording capability on NEX-FS700R/RH and AXS-R5

The HXR-IFR5 interface unit allows the Full-HD Super Slow Motion NEX-FS700 camcorder to capture stunning 4K/2K RAW movie footage with the AXS-R5 RAW recorder. 2K and 4K RAW files shot with the FS700 can take advantage of the trail blazed by the RAW workflow of Sony's PMW-F55/F5 CineAlta cameras. RAW files created by the NEX-FS700R/RH (FS700RAW Files) are sent to the HXR-IFR5 interface unit which docks to the AXS-R5 RAW recorder.

The AXS-R5 recorder is part of the AXSM Access Memory System, which also includes the AXS-512S24 memory card and an affordable USB 3.0 reader, the AXS-CR1. Once on a fast HDD, FS700RAW files can be screened and converted using Sony's free RAW Viewer software.

Features

External RAW recorder for NEX-FS700R via SDI connection

The AXS-R5*, once docked with the HXR-IFR5, becomes an external RAW recorder for the NEX-FS700R* - enabling an even wider variety of creative shooting styles. Connection with the NEX-FS700R uses just a single 3G HD-SDI cable and the NEX-FS700R can become a camera head when used separately, or it can be

used like a camcorder if the whole assembly is mounted onto a rig. (There is a 1/4 inch screw hole for those kinds of rig solutions.) The HXR-IFR5 uses the power source on the AXS-R5, which can be powered by a BP-FL75 lithium ion battery pack or an external DC 12V power source using the XLR 4 pin power input.

* AXS-R5 requires firmware version 1.20 or later and NEX-FS700R needs firmware version 3.00 (service upgrade of NEX-FS700R may be a paid option).

4K/2K high speed shooting

Other than 4K (4096 × 2160) recording at 24p/25p/30p/50p/60p, 100fps and 120fps recording in 4K resolution is available for approximately 4 seconds. Also, in 2K (2048 × 1080) recording mode, 240fps/200fps/120fps/100fps high speed continuous recording is available for unlimited time. These high speed recording modes are only possible with the combination of NEX-FS700R, HXR-IFR5 and AXS-R5.

* Audio is not recorded in high speed RAW recording modes.

16 bit linear RAW recording onto the AXS memory card

The combination of the HXR-IFR5 and the AXS-R5 makes possible recording 16 bit linear RAW files onto an AXS memory card, unlocking the full potential of the 4K imager on the NEX-FS700R so the broad latitude and high colour resolution can be captured in RAW format. Using the AXS-CR1 card reader, recorded RAW files can be easily transferred to a PC. Sony's "RAW Viewer*" software allows viewing, processing and simple colour grading on files. In addition to high quality movies, high resolution 8.4M still pictures can also be captured.

* RAW Viewer Version 1.1 or later is necessary.

AVCHD simultaneous recording on NEX-FS700R

Even in RAW recording mode*, NEX-FS700R can simultaneously record AVCHD onto the camera's memory card. Since the recorded AVCHD files will have the same time code as the RAW files, the AVCHD files can be used as proxy files for off-line editing.

* AVCHD cannot be recorded in high speed RAW recording mode.

* Recording duration is slightly different between RAW and AVCHD recording however time code is synchronized.

Recording/playback times using AXS-512S24 media

4K (4096 × 2160) Approx. 60 minutes (23.98P) or 24 minutes (59.94P)

2K (2048 × 1080) Approx. 240 minutes (23.98P) or 96 minutes (59.94P)

HD output for monitoring

HDMI/Component/Composite video outputs on the NEX-FS700R and the AUX OUT of the AXS-R5 can be used for monitoring purposes. In order to achieve accurate monitoring of the wide dynamic range of RAW recording, Sony has added S-Log2 settings onto the picture profile of the NEX-FS700R (Ver.3.00).

* The gamma setting cannot be set individually for each video out/LCD panel/AVCHD recording.

* HD output or monitoring on FS700's LCD are 16:9 mode only.

* AUX OUT of the AXS-R5 is disabled during 2K recording mode. (It is able to output 2K playback mode.)

FS700 firmware version 3.00 provides below functions

(Firmware may require paid upgrade by service centre)

- RAW shooting mode (Output RAW data via SDI) 4K (4096 × 2160) and 2K (4098 × 1080) / 23.98p, 25p, 29.97p, 50p, 59.94p Super Slow 4K/100 and 120fps approx 4 sec, 2K/100, 120, 200 and 240fps continuous. (HXR-IFR5 and AXS-R5 can record all these modes)

Addition of 2 gamma settings and preset [PP7] on Picture Profile S-Log2 and 709 (800%) gamma. It can apply to SDI/HDMI output and AVCHD recording.

Rec control embedded on SDI and HDMI for operating external recorder.

Support the secure access mode of Mirroring Memory Stick (PX series). Power zoom (SELP18200) lens supported for using the zoom lever on the grip of the camcorder.

Specifications

General

Mass (Body only)	910 g (2 lb)
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Mass (including the AXS-R5, the battery pack BP-FL75 and the AXS memory card AXS-512S24)	2600 g (5 lb 11 oz)
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Power Consumption	5.0 W
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Power Requirements (AC adaptor / Battery)	DC11 V ~ 17 V
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Dimension (W × H × D) (including protrusions / Body only)	115 mm × 189 mm × 127.5 mm
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Dimension (W × H × D) (including the projecting parts, the AXS-R5 and the battery pack BP-FL75) 119 mm × 189 mm × 207 mm

Battery operating time (BP-FL75) 150 min
Continuous recording time

Battery operating time (BP-FL75) 165 min
Continuous playback time

Operating Temperature 0 ~ 40°C

Storage Temperature -20 ~ +60°C

Related products



AXS-R5
2K/4K external Portable Memory Recorder for PMW-F5 and PMW-F55 using AXS memory card.



AXS-512S24



BP-FL75
Olivine long-lasting battery for F-series cameras



BC-L90
High speed battery charger for BP-FL75 and V-Mount batteries



PXW- FS7M2

4K Super 35mm
Exmor CMOS sensor
XDCAM camera with
Variable ND Filter, E-
Mount (Lever Lock),
4K/2K RAW and XAVC
recording

Gallery

