

# HXR-IFR5

Interface Unit for NEX-FS700 RAW recording

**SONY**  
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## Expand 4K/2K RAW recording capability on NEX-FS700 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.

## Features

### External RAW recorder for NEX-FS700 via SDI connection

The AXS-R5\*, once docked with the HXR-IFR5, becomes an external RAW recorder for the NEX-FS700\* - enabling an even wider variety of creative shooting styles. Connection with the NEX-FS700 uses just a single 3G HD-SDI cable and the NEX-FS700 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-FS700 needs firmware version 3.00 (service upgrade of NEX-FS700 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-FS700, 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-FS700 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.

### Recording/playback time

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)

(Using AXS-512S24 media)



### AVCHD simultaneous recording on NEX-FS700

Even in RAW recording mode\*, NEX-FS700 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.

**NXCAM**

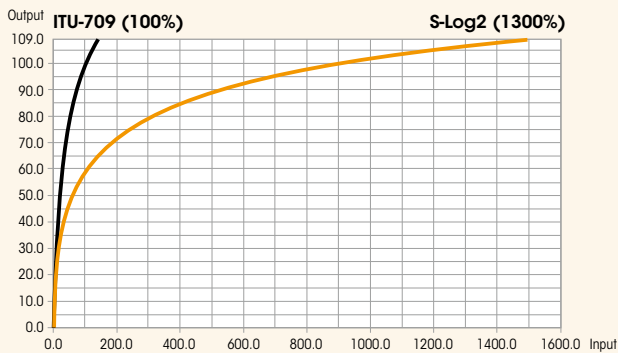
## HD output for monitoring

HDMI/Component/Composite video outputs on the NEX-FS700 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-FS700 (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 (may require paid upgrade by service center)

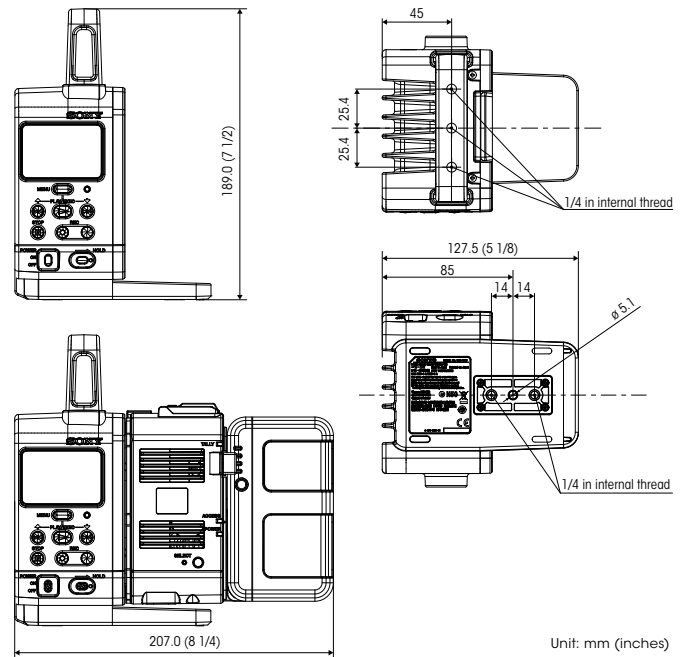
- RAW shooting mode (Output RAW data via SDI)
  - 4K (4096 × 2160) and 2K (4098 × 1080) / 23.98p, 25p, 29.97p, 50p, 59.94p
  - Super Slow 4K/100 and 120fps approx 4 sec, 2K/100, 120, 200 and 240fps continuous.
  - (HXR-IFR5 and AXS-R5 can record all these modes)
- Addition of 2 gamma settings and preset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

HXR-IFR5	
Mass (Body only)	910 g (2 lb)
Mass (including the AXS-R5, the battery pack BP-FL75 and the AXS memory card AXS-512S24)	2600 g (5 lb 11 oz)
Power Consumption	5.0 W
Power Requirements (AC adaptor / Battery)	DC11 V ~ 17 V
Dimension (W × H × D) (including protrusions / Body only)	115 mm × 189 mm × 127.5 mm
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)	Continuous recording time 150 min Continuous playback time 165 min
Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ +60°C

## Dimensions



## Related Products



**AXS-R5**  
2K/4K external 16bit RAW recorder



**AXS-512S24**  
AXS Memory card, 512GB



**AXS-CR1**  
Card reader for AXS media



**BP-FL75**  
Olivine long-lasting battery



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

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