

# Firmware 2.0 for PXW-FS7 & XDCA-FS7

Planned availability: March 2015

User download at no charge.

Simple, user install via SD card

Applicable models: PXW-FS7 camera and XDCA-FS7 extension unit.

## What's new in firmware Version 2.0:

1. Expands audio recording to four channels audio at 24-bit, 48 KHz.
2. Supports DCI compliant 4096 x 2160 XAVC-Intra-frame recording up to 60 fps.
3. Adds HD Apple ProRes codecs to enable progressive and interlaced HQ and 422 recording.
4. Eliminates "Magenta Cast" in WB preset mode.
5. Renames "Color Temp <P>" menu parameter to "Preset White"
6. Eliminates need to re-enable "Steady Shot" after power ON/OFF cycle.
7. Retains "Paint Menu" settings after power OFF/ON cycle.

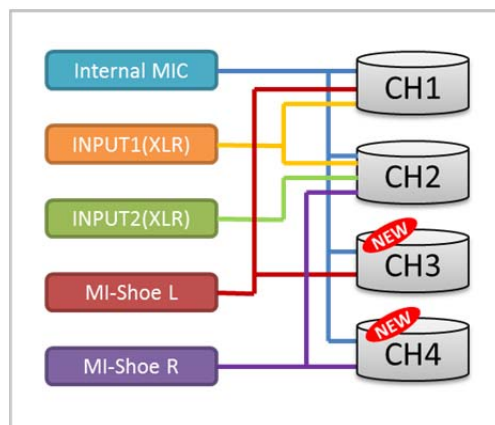
## Details

### 4 CH Audio Recording

Enabled two additional audio inputs via the built-in Multi-Interface "MI Shoe" located on the FS7 top handle; for a total of four, 24-bit, 48 KHz digital audio channel recording. The Audio Menu is enhanced to enable management of additional inputs.

The high quality MI-Shoe interface allows connecting additional professional-quality micro-phones, mixing consoles etc. to the FS7. This intelligent interface automatically powers connected devices following the camera's power switch.

Ver. 2.0 enables compatibility with several optional audio accessories: XLR-KM2, this device provides two XLR connectors plus all necessary controls. The UWP-D digital wireless series provides robust transmission thanks to true diversity transmission -it has two discrete tuners, one for each antenna.



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## DCI compliant 4096 x 2160 XAVC-I recording

Ver.2.0 adds DCI compliant, 4096 x 2160, XAVC-Intra frame progressive recording at: 23.98p, 25p, 29.97p, and 59.94p. Slow and Quick Motion "S&Q" framerate selection in single frame increments is possible.

The highly efficient XAVC-I codec is an ideal acquisition codec; providing mastering quality at a moderate bit rate. XAVC significantly cuts memory cards and HDD requirements. For example, XAVC-I requires only 600 Mbps to record 10-bit, 422, 4K at 60 fps; on the other hand, 4K Apple ProRes HQ requires 1.76Gbps.

4K	XAVC-Intra 4:2:2	4096 x2160	59.94P	MXF (600Mbps)	1 - 60 fps
			50P	MXF (500Mbps)	
			29.97P	MXF (300Mbps)	
			25P	MXF (250Mbps)	
			23.98P	MXF (240Mbps)	

## HD Apple ProRes HQ & 422 recording

Ver. 2.0 adds HD Apple ProRes HQ & 422 codecs to the optional XDCA-FS7 expansion module. Ver. 2.0 supports progressive and interlace Apple HD ProRes HQ or 422 recording to the camera's XQD cards. Supported progressive frame rates include: 23.98p, 25p and 29.97p Supported interlaced at 50i and 59.94i.

HD	ProRes 4:2:2 10bit HQ	1920x1080	59.94i	QT (220Mbps)	NA
			50i	QT (184Mbps)	
			29.97P	QT (220Mbps)	
			23.98P	QT (176Mbps)	
			25P	QT (184Mbps)	
	ProRes 10-bit 4:2:2		59.94i	QT (147Mbps)	
			50i	QT (122Mbps)	
			29.97P	QT (147Mbps)	
			23.98P	QT (117Mbps)	
			25P	QT (122Mbps)	

More information to be provided in the user manual in late March when the updates are available online at: <http://community.sony.com/t5/FS7/bd-p/FS7>