

# Comparison of F55, F5 and FS7

Version 1. January 12, 2015

A resource for choosing the right camera for your needs



Specifications	PMW-F55	PMW-F5	PXW-FS7	Notes
<b>Lenses</b>				
<b>Lens Mount</b>	FZ native; PL with supplied adapter	FZ native; PL with supplied adapter	E-Mount (α Mount)	Lens mounts are adaptable to almost any lens system using optional Sony and third party adapters.
<b>Accepts PL mount cine lenses</b>	With Supplied Adapter	With Supplied Adapter	With 3rd party adapters	
<b>Lens Protocol</b>	Cooke® /i ARRI® LDS and 12-pin	Cooke® /i ARRI® LDS and 12-pin	Sony E Mount	F5 / F55 supports 12-pin lens protocol with LAFZPL12P, LA-FZB1, LA-FZB2 adapters
<b>Accepts Canon®, Nikon® and other SLR/DSLR lenses</b>	With 3rd party adapters	With 3rd party adapters	With 3rd party adapters	
<b>Accepts B4 broadcast lenses</b>	With Sony LA-FZB1, LA-FZB2, B4S16PL adapters	With Sony LA-FZB1, LA-FZB2, B4S16PL adapters	With third party adapters and DC cable for lens	F5 / F55 also supports 12-pin 2/3" lens protocol and servo zoom power with LAFZPL12P, LA-FZB1, LA-FZB2 adapters B4S16PLKIT combines B4S16PL and LAFZPL12P
<b>Accepts Sony A-Mount lenses</b>	—	—	With Sony LA-EA1, LA-EA2, LA-EA3, LA-EA4 adapters	Ultra fast and accurate phase detection auto focus with A-Mount lenses and LAEA4 adapter.
<b>Sensor</b>				
<b>Sensor Native Resolution</b>	4096 x 2160	4096 x 2160	4096 x 2160	
<b>2K Full Scan Mode</b>	Yes	Yes	Yes	Simplifies switching between Normal and High Frame Rate modes without rebooting.
<b>2K Center Scan Mode</b>	Yes	Yes	Future update	Flexibility in using Super 16mm lenses, doubles the reach of your existing lens, and enables use of 2/3" lenses with a low magnification adapter.
<b>Electronic Frame Image Scan</b>	Yes	With F52F55UPGKIT	—	Eliminates flash-banding and other CMOS artifacts F52F55UPGKIT is an optional hardware upgrade kit for the F5.
<b>Color Gamut</b>	Wider than UHD REC2020	Wider than Rec. 709; Wider than UHD REC2020 with F52F55UPGKIT	Wider than Rec. 709	F52F55UPGKIT is an optional hardware upgrade kit for the F5.
<b>2K Optical Low Pass Filter Option</b>	With CBK-55F2K	With CBK-55F2K	—	Minimizes moiré in 2K Full Scan. Gives you the creative option to soften the look of 4K, and reduces the probability of getting a moiré pattern in man made objects in 2K Full Scan operation.
<b>ISO Sensitivity</b>	ISO 1250	ISO 2000	ISO 2000	



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<b>High Frame Rates</b>				
<b>4K RAW (4096 x 2160)</b>	1-60 fps with AXS-R5	1-60 fps with AXS-R5	1-60 fps with XDCA-FS7, HXR-IFR5 and AXS-R5	Up to 60 fps in 1 fps increments
<b>2K RAW (2048 x 1080)</b>	1-240 fps with AXS-R5	1-240 fps with AXS-R5	1-240 fps with XDCA-FS7, HXR-IFR5 and AXS-R5	Up to 60 fps in 1 fps increments
<b>XAVC-I HD (1920 x 1080)</b>	1-180 fps	1-180 fps	1-180 fps	Up to 60 fps in 1 fps increments
<b>XAVC-L HD (1920 x 1080)</b>	—	—	1-120 fps	Up to 60 fps in 1 fps increments
<b>Systemization</b>				
<b>SDI output</b>	4K/QFHD/2K/HD 4 x 3G-SDI	2K/HD 3G SDI; 4K/QFHD with CBKZ-55FX or with F52F55UPGKIT	2K/HD 2 x 3G-SDI	CBKZ-55FX is an optional 4K upgrade for the F5. F52F55UPGKIT is an optional hardware upgrade kit for the F5.
<b>HDMI output</b>	4K/QFHD/HD	HD; 4K/QFHD with CBKZ-55FX or with F52F55UPGKIT	4K/QFHD/HD	CBKZ-55FX is an optional 4K upgrade for the F5. F52F55UPGKIT is an optional hardware upgrade kit for the F5.
<b>Remote Control</b>	Sony 700 protocol (RM, RCP, MSU paint panels)	Sony 700 protocol (RM, RCP, MSU paint panels)	LANC (Hand Grip)	
<b>Side LCD with control GUI</b>	Yes	Yes	—	Direct access to shutter, frame rate, ISO, color temp, gamma, Audio, Play back, LUT's, T/C, etc
<b>Built-in ND filter</b>	Clear, 0.9, 1.8	Clear, 0.9, 1.8	Clear, 0.3, 1.2, 1.8 Supplied	
<b>Choice of viewfinders</b>	Sony DVF Series via digital interface and via HD-SDI	Sony DVF Series via digital interface and via HD-SDI	Supplied LCD; via optional DVF-L700 via HD-SDI	DVF series models are DVF-L350 LCD VF, DVF-EL100 OLED VF, and DVF-L700 7" Full HD VF / SDI monitor.
<b>Hardware Accessories</b>	CBK-55BK Shoulder Mount Dock	CBK-55BK Shoulder Mount Dock	XDCA-FS7 Extension Unit	CBK-55BK offers true shoulder-mount ergonomics and functionality, plus a wireless mic receiver slot.
<b>4K live production with CA-4000 fiber adapter</b>	Yes	—	—	Audio, video, tally, intercom, return video and DC power on a single SMPTE fiber cable.
<b>Further information</b>	<a href="http://www.Sony.com/35mm">www.Sony.com/35mm</a> Documentary web site <a href="http://www.sony.com/docu">www.sony.com/docu</a>	<a href="http://www.Sony.com/35mm">www.Sony.com/35mm</a> Documentary web site <a href="http://www.sony.com/docu">www.sony.com/docu</a>	<a href="http://www.sony.com/FS7">www.sony.com/FS7</a> Documentary web site <a href="http://www.sony.com/docu">www.sony.com/docu</a>	