CAMERA PRODUCTION GUIDE | **SONY FX6**

Settings and best-practices for XAVC capture with the Sony ILME-FX6 on Netflix 4k Originals.

Current Operation Manual: <u>HERE</u>

CAPTURE SETTINGS | **4K XAVC**

SETTING	MENU	SELECTION
SHOOTING MODE	Project → Base Setting → Shooting Mode	**Cine EI**
COLOR SPACE	Project → Cine EI Setting → Color Gamut*	**S-Gamut3/SLog3** **S-Gamut3.Cine/SLog3**
XAVC FORMAT	Project → Rec Format → Codec	**XAVC-I**
VIDEO FORMAT	Project → Rec Format → Video Format	**4096 x 2160P** **3840 x 2160P**
BASE ISO	Shooting → ISO/Gain/EI → Base ISO	**ISO 800** **ISO 12800**

* S-Gamut3.Cine / SLog3 is the most common color space used on FX6 productions.

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Recommended Exposure Values for S-Log3

Input reflection	0% Black (IRE0%)		18% Grey (IRE20%)		90% White (IRE100%)	
Output	IRE	CV	IRE	CV	IRE	CV
S-Log3	3.5%	95	41%	420	61%	598

HIGH SPEED | **4K XAVC**

FILE FORMAT	MAX FRAME RATE	MAX RESOLUTION
XAVC-I 4K	120fps	3840 x 2160

NOTE: XAVC-I 120fps recording requires CFexpress Type-A card.

RAW OUTPUT | **16-Bit UNCOMPRESSED SDI OUTPUT**

SETTING	FRAME RATE	MAX RESOLUTION
With an external recorder	23.98p/24p/25p/ 29.97p/50p/59.94p	4096 x 2160

NOTE: ATOMOS SHOGUN VII monitor-recorder support planned, as of October 2020.

NOTE: S&Q is available when RAW output resolution is 3840 x 2160.

NOTE: XAVC-I file can be simultaneously recorded internally using RAW output.
    (<Menu>Project→ Rec Format → Codec → RAW & XAVC-I).

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OPTIMIZING PERFORMANCE | **4K XAVC**

SETTING	MENU	STANDARD OPERATING PROCEDURE
AUTO PIXEL RESTORATION (APR)	Technical → APR → APR Execute	Perform at start of day once camera has reached operating temperature.

This function can help ensure a clean, consistent image.
APR - Eliminate hot pixels by completely mapping them out.

If offending pixels are still present after **APR**, camera should be sent to Sony for manual RPN correction.