

CAMERA PRODUCTION GUIDE | SONY FR7

Settings and best-practices for XAVC-I capture with the Sony ILME-FR7 on Netflix 4k Originals.

Current Operation Manual: [HERE](#) Lens Compatibility: [HERE](#)

CAPTURE SETTINGS | 4K XAVC-I

Preferred SELECTION setting shown in **YELLOW & BOLD** and alternatives in normal text.

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 FR7 productions.

Production Technology Support

HIGH SPEED | 4K XAVC-I

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

NOTE: When recording in 120fps, the image crop factor is 10%.

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

RAW OUTPUT | 16-Bit UNCOMPRESSED HDMI OUTPUT

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

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).

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