CAMERA PRODUCTION GUIDE | **SONY FX9**

Settings and best-practices for XAVC capture with the Sony PXW-FX9 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.Cine / SLog3 S-Gamut3 / SLog3
XAVC FORMAT	Project →	Rec Format→ Codec	**XAVC -I**
VIDEO FORMAT	Project →	Rec Format→ Video Format	3840 x 2160 4096 x 2160
DUAL BASE ISO	Shooting→	ISO/Gain/EI→ Base ISO	**ISO 800** **ISO 4000**

* S-Gamut3.Cine / SLog3 is the most common color space used on FX9 productions.

Production Workflows & Imaging

HIGH SPEED | **4K XAVC**

FORMAT	MAX FPS	MAX RESOLUTION
XAVC-I	60fps	3840 x 2160

OPTIMIZING PERFORMANCE | **4K XAVC**

SETTING	MENU	STANDARD OPERATING PROCEDURE
AUTO BLACK BALANCE (ABB)	Shooting → Auto Black Balance →	Perform at start of day once camera has reached operating temperature.
AUTO PIXEL RESTORATION (APR)	Technical → APR → APR Execute	Perform at start of day once camera has reached operating temperature.

These functions can help ensure a clean, consistent image.
ABB - Normalize black levels and reduce fixed pattern noise. Fairly good at fixing hot pixels.
APR - Eliminate hot pixels by completely mapping them out.

If **ABB** fails to correct a hot pixel, **APR** may help. If offending pixels are still present after **APR**, camera should be sent to Sony for manual RPN correction.

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