

CAMERA PRODUCTION GUIDE | SONY VENICE 2 8K

Settings and best-practices for capture with the SONY VENICE 2 8K on Netflix 4K Originals. Current Ops Manual: [HERE](#)

CAPTURE SETTINGS | RAW

Preferred SELECTION setting shown in **YELLOW**

SETTING	MENU NAVIGATION	SELECTION
IMAGER MODE	MENU → Project → Imager Mode →	5.4K 16:9 (S35) 5.8K 17:9 (S35) 5.8K 6:5* (S35 Anamorphic) 8.6K 3:2 (Full Frame) 8.2K 17:9 (Full Frame) 7.6K 16:9 (Full Frame)
COLOR SPACE	MENU → Project → Input Color Space →	S-Gamut3.Cine / SLog3 S-Gamut3 / SLog3
RAW FORMAT	MENU → Project → Recording Format →	X-OCN XT X-OCN ST X-OCN LT

* X-OCN must be used for Anamorphic capture. See note on last page.



Production Technology Support

CAPTURE SETTINGS | 4K ProRes

SETTING	MENU	SELECTION
IMAGER MODE	MENU → Project → Imager Mode →	8.2K 17:9 (Full Frame) 7.6K 16:9 (Full Frame) 5.8K 17:9 (S35) 5.4K 16:9 (S35)
COLOR SPACE	MENU → Project → Input Color Space →	S-Gamut3.Cine / SLog3 S-Gamut3 / SLog3
CODEC	MENU → Project → Recording Format →	ProRes 422 HQ ProRes 4444

HIGH SPEED | X-OCN

MAX FPS	MAX RESOLUTION
90fps	5.4K 16:9 (S35)
90fps	5.8K 17:9 (S35)
60fps	7.6K 16:9 (Full Frame)
60fps	8.2K 17:9 (Full Frame)

HIGH SPEED | 4K ProRes

INTERNAL AXS FORMAT	MAX FPS	RECORD RESOLUTION	SENSOR RESOLUTION
ProRes 422HQ	75fps	3840 x 2160 / 4096 x 2160	5.4K 16:9 (S35) / 5.8K 17:9 (S35)
ProRes 4444	60fps	3840 x 2160 / 4096 x 2160	5.4K 16:9 (S35) / 5.8K 17:9 (S35)
ProRes 422HQ	60fps	3840 x 2160 / 4096 x 2160	7.6K 16:9 (FF) / 8.2K 17:9 (FF)
ProRes 4444	60fps	3840 x 2160 / 4096 x 2160	7.6K 16:9 (FF) / 8.2K 17:9 (FF)

OPTIMIZING PERFORMANCE | MAINTENANCE PROCEDURES

SETTING	MENU	STANDARD OPERATING PROCEDURE
BLACK BALANCE	N/A	Not required. Black Balance is automatic.
AUTO PIXEL RESTORATION (APR)	Press and hold MENU Button → Technical → Auto Pixel Restore → Run	Perform at start of day once camera has reached operating temperature.

ANAMORPHIC CAPTURE|RAW REQUIREMENT

- When the camera is set to one of the anamorphic capture modes and ProRes is selected as the format, the resulting file is recorded with a desqueeze applied and fit within a 4K or UHD container. Because of this pre-processing, Netflix is mandating any anamorphic capture on Venice must be in the **X-OCN XT**, **X-OCN ST** or **X-OCN LT** formats. This ensures that any adjustments of image geometry and sizing can be flexible and performed in post-production.



Production Technology Support

RECORD FORMAT CONSIDERATIONS

- Post production software should be tested to ensure support of the new resolutions.

MONITORING CONSIDERATIONS

- SLog3 monitoring of EI settings is available for SDI 1 & 2 or SDI 3 & 4. Internal LUT processing is 33x33x33 and can be output in HD or 4K formats.