CAMERA PRODUCTION GUIDE | **EOS C500 Mark II**

Settings and best-practices for capture with the EOS C500 Mark II on Netflix 4k Originals.
Current Ops Manual: <u>HERE</u>

CAPTURE SETTINGS | **5.9K RAW**

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

SETTING	MENU NAVIGATION	SELECTION
SHOOTING MODE	⚙ Recording/Media Setup → Sensor Mode → Main Recording Format	Sensor Mode : **Full Frame** **Super 35mm (Cropped)** Super 16mm (Cropped) Main Recording Format : **Cinema RAW Light**
GAMMA / LOG ENCODING	CP Custom Picture → Not necessary	
COLOR SPACE	⚙ Recording/Media Setup → Not necessary	
RAW FORMAT	⚙ Recording/Media Setup → Resolution /Color sampling :	**Full Frame** **Super 35mm (Cropped)** Super 16mm (Cropped)

NOTE: If shooting with anamorphic lenses, the **Cinema RAW Light** shooting mode must be selected.

CAPTURE SETTINGS | **4K COMPRESSED**

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

SETTING	MENU	SELECTION
SHOOTING MODE	Recording/Media Setup → Sensor Mode → Main Recording Format	Sensor Mode : **Full Frame** **Super 35mm (Cropped)** Super 16mm (Cropped) Main Recording Format : **XF-AVC**
	Recording/Media Setup → Resolution/Color Sampling	**4096 x 2160 YCC422 10 bit** **3840 x 2160 YCC422 10 bit**
GAMMA / LOG ENCODING	CP Custom Picture → Presets	**Canon Log 2 : C.Gamut (see Tips below)** Canon Log 3 : C.Gamut

HIGH SPEED | **4K COMPRESSED**

INTERNAL MEDIA	MAX FPS	MAX RESOLUTION
XF-AVC	60 fps	4096x2160 422 10 bit
XF-AVC	60 fps	2048x1080 422 10 bit
XF-AVC (Cropped)	120 fps	2048x1080 422 10 bit

OPTIMIZING PERFORMANCE | **MAINTENANCE PROCEDURES**

SETTING	MENU	STANDARD OPERATING PROCEDURE
BLACK BALANCE	Camera Setup → ABB	Perform at start of day and after any dramatic change in operational temperature.

NOTES:

Canon Log 2 provides 15 stops of dynamic range and allows for extended shadow detail retention. With this extended shadow detail often comes an increase in noise.

Canon Log 3 provides the same highlight retention however, one less stop in the shadows. This provides a cleaner image that is often easier to handle in a high volume post production process. If Canon Log 2 is captured, a 3D LUT is available from Canon to transform it into Canon Log 3, removing the shadow detail and therefore additional shadow noise, for a simpler post production process. Canon LUT's are available for Download Here.

The BT.709 LUT in camera is the same as the the BT.709_Wide DR LUT provided on Canon's Website.

When capturing in XF-AVC, all Canon Log formats are encoded as full range data (0-1023). On a 10 bit scale, Canon Log 3 and Canon Log have a black point of 128, and Canon Log 2 has a black point of 95. FOr more information on Canon Logs, please see this link.