C300 MK II Settings Card

Last Modified on 11/03/2026 1:18 pm EST

C300 MK II Settings

Before every shoot, program the following primary settings on your camera.
When in doubt, seek assistance from Camera Faculty or Production Center Staff.

Camera Set Up:
ISO/Gain: Canon Log 2/3 - 800, Canon Log 1 - 500
! Change ISO in these increments: 200, 400, 800, 1600, 3200 (Cleaner image at full stops)
Shutter: Angle / 180
Extended ND: OFF, if ON - Check focus!

Custom Picture: choose one per each category, grade accordingly
Gamma: Canon Log 2 (Potential for more noise*, grading required), Canon Log 3 (Less noise, grading required) or Normal 4 (No LUT, grading required)
Color Space: Cinema Gamut (grading required) or BT 709 Gamut (No LUT required)
Color Matrix: Neutral or Cinema EOS Original (ONLY if matching footage to Generation 1 EOS Cameras)
! Never select “Video” for matrix
! If using Presets, the Color Matrix defaults to “Neutral”
! Middle Gray Values: Canon Log 1 & 3 = 34.3% / Canon Log 2 = 39.8%
*See Filmguide for article on Canon Log 2 Luminance Banding/CMOS Smearing Issues

Audio Set Up: (Note: audio should be reordered to the 633!)
Audio Bit Depth: 24 Bit
Audio Output: Monitor Channels CH1/CH2
Audio Input: For single system recording from mixer, turn Phantom Power off & set to “LINE”
! Turn off Mic built into camera to not record crew sounds

Recording / Media Set Up:
System Frequency: 59.94
Frame Rate: 23.98P
! To shoot 60-120fps, you must enter “Slow & Fast Motion (crop)” Mode and shoot in 10 Bit
Resolution/Color SubSampling: Choose one below
*1920x1080 YCC422 10 bit
*1920x1080 RGB444 12 bit
*2048x1080 YCC422 10 bit
*2048x1080 RGB444 12 bit (Max resolution while maintaining max color/image quality)
*3840x2160 YCC422 10 bit
*4096x2160 YCC411 10 bit

Assistance Functions:
Peaking: ON

Zebra: ON / 70% (Skintone), 90% (Highlights), 100% (Highlight Clipping)
Markers: ON / Center - White
LUT: ON* (if shooting Log) / Mon. & HDMI - B.T. 709
Waveform: ON / LCD
*Set Assignable Button #10 on LCD to “LUT” to toggle LUT OFF/ON
! Use TV Logic Waveform Monitor to evaluate exposure

C300ii SETTINGS

Before every shoot, program the following primary settings on your camera.
When in doubt, seek assistance from Camera Faculty or Production Center Staff.



Camera Set Up:

ISO/Gain: Canon Log 2/3 - 800, Canon Log 1 - 500

! *Change ISO in these increments: 200, 400, 800, 1600, 3200 (Cleaner image at full stops)*

Shutter: Angle / 180

Extended ND: OFF, if ON - Check focus!



Custom Picture: choose one per each category, grade accordingly

Gamma: Canon Log 2 (Potential for more noise*, grading required), Canon Log 3 (Less noise, grading required) or Normal 4 (No LUT, grading required)

Color Space: Cinema Gamut or BT 709 Gamut (No LUT required)

Color Matrix: Neutral / Cinema EOS Original (ONLY if matching footage to Generation 1 EOS Cameras)

! *Never select “Video” for matrix*

! *If using Presets, the Color Matrix defaults to “Neutral”*

! *Middle Gray Values: Canon Log 1 & 3 = 34.3% / Canon Log 2 = 39.8%*

**See Filmguide for article on Canon Log 2 Luminance Banding/CMOS Smearing Issues*



Audio Set Up: (Note: audio should be reordered to the 702T!)

Audio Bit Depth: 24 Bit

Audio Output: Monitor Channels CH1/CH2

Audio Input: For single system recording from mixer, turn Phantom Power off & set to “LINE”

! *Turn off Mic built into camera to not record crew sounds*

Recording / Media Set Up:

System Frequency: 59.94

Frame Rate: 23.98P

! *To shoot 60-120fps, you must enter "Slow & Fast Motion (crop)" Mode and shoot in 10 Bit*

Resolution/Color SubSampling: Choose one below

*1920x1080YCC422 10 bit

*1920x1080RGB444 12 bit

*2048x1080YCC422 10 bit

*2048x1080 RGB444 12 bit (Max resolution while maintaining max color/image quality)

! *Due to hardware requirements (RAID/Solid State Drives/Graphics Card) and screening limitations, 4K shooting is not recommended.*

Bit Rate: Intra-Frame

Assistance Functions:

Peaking: ON

Zebra: ON / 100%

Markers: ON / Center - White

LUT: ON* (if shooting Log) / Mon. & HDMI - B.T. 709

Waveform: ON / LCD

*Set Assignable Button #10 on LCD to "LUT" to toggle LUT OFF/ON

! *Use TV Logic Waveform Monitor to evaluate exposure*

@nyutischfilmpo