

Canon EOS C300 Cinema EOS Camera (Body Only) PL mount

Bringing Canon's expertise and decades of experience designing sensors, lenses, image processing and design to the world of motion picture capture, the EOS C300 PL camera has been designed to meet the demanding needs of cinema industry professionals, providing a modular, portable and eminently adaptable system of cameras, lenses and accessories built for moviemaking in the 21st century.

Featuring a unique Super 35mm Canon CMOS sensor, revolutionary Canon DIGIC DV III Image Processor and 50 Mbps 4:2:2 codec, the EOS C300 PL provides outstanding cinema quality movie capture. Compact, modular and compatible with Canon's PL-mount cinema lenses as well as accessories from third parties the stunningly simple to operate EOS C300 PL is designed to please cinematographers for any production large and small, on location or in the studio, from shoestring to Hollywood budgets.

The EOS C300 PL offers compatibility with virtually every cinema lens in production today, while its compact and modular design and compatibility with third-party accessories enable it to meet virtually any production need while keeping costs down. Designed with SMPTE HD production standards, its MPEG-2 codec is an internationally recognized standard compatible with major NLE applications while additional features such as Canon Log ensure seamless integration with existing production workflows, making post-production easy. And with an entire support infrastructure designed to help you get the most from your equipment before, during and after production, the EOS C300 PL is ready to go to work.

Specifications

Imaging Sensor

Effective Pixels

3840 x 2460 pixels; Approx. 8.29 megapixels

Total Pixels

4216 x 2340 pixels; Approx. 9.86 megapixels

Sensor Type

CMOS

Sensor Size

Super 35; 24.6 x 13.8 (28.2 mm diagonal); 6.4 µm cell pitch

Scanning System

Progressive

Number of Sensors

1

Filter

RGB Primary Color Filter (Bayer Array)

Imaging Processor

Digic DV III

Lens System

Interchangeable Lens System

Choice of PL or EF mounts for compatibility with a wide variety of lens systems.

Zoom/Focus Preset

N/A

Shockless Zoom

N/A

Digital Teleconverter

N/A

ND Filter

Mechanical ND filter system with option of clear, 1/64, 1/16, and 1,4

Iris Dial

Iris Dial located on camera body for use with EOS EF Lenses with electronic Iris control

Peripheral Illumination Correction

Available on EF Mount model only

Exposure and Metering

Exposure Modes

Manual

Metering Modes

N/A

Gain

Normal Setting -6dB to 30 dB

Fine Setting 0dB to 24 dB in 0.5 dB increments

ISO

320 to 20,000

Auto Gain Control (AGC)

N/A

Shockless Gain

N/A

Exposure Compensation/AE Shift

N/A

Shutter Modes

3 Modes: OFF; Speed; Angle; Slow Shutter; Clear Scan

Shutter Speed Range

59.94i/59.94p: 1/60 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/4, 1/8, 1/15, 1/30; CS: 59.94 Hz -250.70 Hz

29.97p: 1/30 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/4, 1/8, 1/15; CS: 29.97 Hz - 250.70 Hz

23.98p/24p: 1/24 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/3, 1/6, 1/12; CS: 23.97 Hz - 250.70 Hz

50i/50p: 1/50 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/3, 1/6, 1/12 1/25; CS: 50.00 Hz - 250.70 Hz

25p: 1/25 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/3, 1/6, 1/12; CS: 25.00 Hz - 250.70 Hz

Shutter Angle Settings

59.94i/59.94p: 360, 240, 216, 180, 120, 90, 60, 45, 30, 22.5, 15, 11.25

29.97p: 360, 240, 216, 180, 120, 108, 90, 60, 45, 30, 22.5, 15, 11.25

23.98p/24p: 360, 345.6, 288, 240, 180, 172.8, 144, 120, 90, 86.4, 72, 60, 45, 30, 22.5, 15, 11.25

50i/50p: 360, 300, 240, 180, 150, 120, 90, 60, 45, 30, 22.50, 15, 11.25

25p: 360, 300, 240, 180, 150, 120, 90, 75, 60, 45, 30, 22.50, 15, 11.25

Iris (Aperture) Range

EF Lens only and lens dependent

Focus

Focus Settings

Manual

Autofocus System

N/A

AF Modes

None

Recording/Codec

Signal System

NTSC and PAL

Compression

8 Bit MPEG-2 Long GOP

Maximum Bit rate

50Mbps (CBR)