

Canon EOS C100 Cinema EOS Camera (Body Only)

The Canon EOS C100 Digital Video Camera is the latest addition to the Cinema EOS family, bringing together the renowned technology of Canon CMOS sensors, DIGIC DV III Image Processor, and EF lens compatibility in a smaller, lighter body. Modular and compatible with a host of Canon and third-party accessories, the EOS C100 brings true cinema quality to independent event videographers and video production organizations.

The EOS C100 sports the Super 35mm Canon CMOS Sensor and Canon DIGIC DV III Image Processor of the C300 and records at 24Mbps using an AVCHD codec for easy integration in existing production workflows. Operability and customization make the EOS C100 an ideal camera for one-person operation while providing expanded professional capabilities such as HDMI output with embedded Time Code, support for external recorders, remote operation, and complete manual control over both video and audio recording.

Pair the powerful and portable EOS C100 with the full range of Canon EF, EF-S and EF Cinema lenses, from fish-eye to macro to super telephoto, and make this expanded vista your new starting point on your cinematic adventure

Specifications

Imaging Sensor

Effective Pixels

3840 x 2160 pixels; Approx. 8.29 megapixels

Total Pixels

4206 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

EF-mount for compatibility with EF, EF-S and EOS EF Cinema 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, 2, 4, and 6 stops

Iris Dial

Manual setting in 1/2-step increments, 1/3-step increments or fine
Push auto iris control

Peripheral Illumination Correction

Available

Exposure and Metering

Exposure Modes

Manual; Push Auto Iris Control (metering system selection/AE shift possible)

Metering Modes

Available (Standard Center Weighted, Spotlight, Backlight)

Gain

Normal Setting -6dB to 30 dB TBD
Fine Setting 0dB to 24 dB in 0.5 dB increments

ISO

3200 to 20,000 in 1/3 stop increments

Auto Gain Control (AGC)

N/A

Shockless Gain

N/A

Exposure Compensation/AE Shift

Available

Shutter Modes

3 Modes: OFF; Speed; Angle; Slow Shutter; Clear Scan
Speed setting can be set in 1/2 or 1/3 stop increments

Shutter Speed Range

59.94i: 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 ? 250.27 Hz

PF30: 1/30 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/4, 1/8; CS: 29.97 Hz ? 250.27 Hz

23.98p/PF24: 1/24 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/3, 1/6, 1/12; CS: 23.97 Hz ? 250.27 Hz

50i: 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 ? 250.78 Hz

PF25: 1/25 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/3, 1/6, 1/12; CS: 25.00 Hz ? 250.78 Hz

Shutter Angle Settings

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

PF30: 360, 240, 216, 180, 120, 90, 60, 45, 30, 22.5, 15, 11.25

23.98p/PF24: 360, 345.6, 288, 240, 180, 172.8, 144, 120, 90, 86.4, 72, 60, 45, 30, 22.5, 15, 11.25

50i: 360, 300, 240, 180, 150, 120, 90, 60, 45, 30, 22.5, 15, 11.25

PF25: 360, 300, 240, 180, 150, 120, 90, 60, 45, 30, 22.50, 15, 11.25

Iris (Aperture) Range

Lens Dependent

Focus

Focus Settings

Manual; One-Shot AF

Autofocus System

Available; AF is dependent on interchangeable lenses

TTL-Video Signal Sensing System

AF Modes

One-Shot AF

** The focusing operation is disabled at shutter speeds slower than 1/8 in 59.94 Hz mode and 1/6 in 50 Hz mode*

Recording/Codec

Compression

MPEG-4 AVC/H.264

Maximum Bit rate

24Mbps