

Canon

EOS C

CINEMA EOS

LEAVE NO STORY UNTOLD



was a story to tell.

LEMA FOS

“If I can get a small camera that does everything I want it to do, with the best quality in the world, that’s what I want. And that’s what I think we have with the Canon Cinema EOS.”



was a story to

LEA

FRY ALON

What you capture unfolds. Superb reproduction. Superior angles and points of view. Extensive post-production. Cinema EOS system – a device conceived as an extension of EOS C300 and EOS C300 lenses, our comprehensive and educational resource your story the way you intend.

The powerful EOS C300 on Canon's unique Super Canon DIGIC DV III Image writing out to dual CF cards modular in design, compact lenses and legendary line accessories, the EOS C300 the studio and rugged on assignment or imaginative PL-mount lenses designed applications, including fast the optical performance, And Canon Service, right beside you when you infrastructure to support repair, to listen and to improve.

Canon is set on a path industry, providing professional they need to tell their story.



EMANCIPATE YOURSELF



EOS

Post is where your
EOS C300 and EOS
accommodate just
can throw at them. A un
performance, breaking o
without the algorithmic
debayering process. Can
1920x1080 resolution, ha
at 50 megabits per secon
you seek.

Whether making rou
camera or integrating tin
synchronized cameras, profes
on the image quality com
final look they envision
and post-production pro
to multiple changes and
Canon EOS C300 and EO
quality images with its fu
files robust enough for m

The EOS C300 and EO
compression, saving file
(MXF). The MXF format fo
together with important
with top NLE systems an
iting, color correcting, gr
EOS C300 PL codec supp
class-leading 50Mbps bit
4:2:2 sampling give EO
files double the color ve
sampling, minimizing jai
and ensuring ample qua
with green screens.

Conforming to indust
advantage of the EOS C3
technologies require extra



EMAFOS

ity. Compatibility. Simplicity. And
ce in HD imagery. With the Cinema EOS
Canon helps working professionals
superb creative medium of the present.
Give it impact. And make it work
udget. No matter what you're shooting
movies, indie documentaries, episodic
mmercials, music videos – the
system will raise your game without
g your productivity.

t years studying the film and TV
its changing needs before bringing
o market. We learned that HD imaging
ving – and that a new image sensor,
igital processing codec and 4K lenses
ated for moviemaking could elevate
plateau of performance in the 21st
ese were the parameters we gave our
tronic and mechanical engineers.
ad them to design a new HD system
ovide immediate benefits to working
phers. Equipment that would fit
udgets already stressed by rising
pressure and uncertain economic
system to grow with changing needs,
enses, camera bodies and enhanced
d editing features, as technology
anon doesn't claim to have all the
is point. But with the help of industry
cinema professionals like you, we'll
s, evolving and innovating.

Canon

EOS C

MAEOS



production, with in-depth telephone technical support, a national network of carefully selected Canon dealers and rental houses, numerous web-based resources, frequent Canon Live Learning events and repairs completed at the production today, with seamless integration into existing workflows and sophisticated file delivery, it makes post-production easy. And it's modular design and compatibility with existing equipment helps keep a lid on bottom-line costs.

and affordable even for independent productions on shoestring budgets. The EOS C300 and EOS C300 PL adhere to SMPTE HD production standards. Its MPEG-2 codec is also an international

and limitless potential for growth. This is the Canon Cinema EOS system. Lightweight, compact and stunningly simple to operate, the EOS C300 and

ly of Canon



NEW CINEMA LENSES

g the Essence of Your Vision

Best and most comprehensive performance for demanding EF and PL mount configurations. EF Cinema lenses are compact and advanced optical designs. The wide-angle CN-E14.5-55mm, CN-E30-300mm T2.95-3.0, and CN-E100-400mm T2.95-3.0 are industry-leading broadcast lenses. The EF Cinema P series offers a range of compact designs for magnification and telephoto work. The EF Cinema Z series covers the range most common in professional production.

Zoom lenses feature large aspherical lens elements to achieve sharp, consistent images in virtually every shooting situation. Geared inner focusing minimizes focus-induced changes in the angle of view, reducing focus breathing virtually to zero. The 11-blade aperture diaphragms ensure beautiful bokeh – and innovative glass construction counteracts barrel expansion and contraction to avoid temperature-induced marking discrepancies.

Uncompromising Design for Working Professionals
 EF Cinema lenses provide markings on angled surfaces on both sides of the barrel, making it easy to read focus and aperture settings from behind or either side of the camera. Focus markings can be switched from standard labeling to metric. Control rings

The versatility of the Canon Cinema EOS approach also makes it compatible with more cinema optics than any other camera system. With their large image circle, EF Cinema prime lenses

and rotation angle as well as front lens diameters, enabling the film crew to quickly change lenses without adjustment of the rig setup.



Broad Compatibility with EOS Cameras

The versatility of the Canon Cinema EOS approach also makes it compatible with more cinema optics than any other camera system. With their large image circle, EF Cinema prime lenses

EF Cinema Z

Canon EF Cinema zoom lenses offer exceptional performance for demanding EF and PL mount configurations. EF Cinema lenses are compact and advanced optical designs. The wide-angle CN-E14.5-55mm, CN-E30-300mm T2.95-3.0, and CN-E100-400mm T2.95-3.0 are industry-leading broadcast lenses. The EF Cinema P series offers a range of compact designs for magnification and telephoto work. The EF Cinema Z series covers the range most common in professional production.

EF Cinema P

The brilliant series of EF Cinema P lenses offers exceptional 4K image quality and a full range of compact designs. Three compact designs, the CN-E24mm T1.5 L F, CN-E55mm T1.4 L F, and CN-E75mm T1.4 L F – offer consistent form factors for professional picture production. Whether used on an EOS DSLR, you will appreciate the design, and your audience will appreciate the aperture diaphragms, fast



Frame grab from the Sam Nicholson, A.S.C., film "XXIT." Shot with the EOS C300 and EF 8-15mm f/4L Fisheye USM.

ENSES d of Creative Options

...y, productivity and profit.
...t. The optical elements and
...ery scene. The systems made
...s finest still photographers.
...o give professionals every

... and proven in the field,
... array of the world's most



advanced optical, microelectronic, and manufacturing technologies.

Many lenses make use of Canon's advanced Peripheral Illumination

Correction feature, rendering beautiful

consistent color and brightness

across the entire image plane when

used with compatible cameras such

as the EOS C300. Their compatibility

with the EF mount of the EOS C300

not only gives the Cinema EOS

system access to the finest optics on

the market, it also opens up

new creative possibilities

with Canon specialty lenses

– including Tilt-Shift, Macro

and Canon's amazing

EF 8-15mm f/4L Fisheye

USM zoom lens.

...n revealing the intricacies
... achieving extraordinary
... accuracy at very shallow de
... be the ultimate test of opti
... line includes six ultra-prec
... close-up lenses. Accomp
... and two Extension Tube
... array provide valuable im



L-Series Lenses

Canon L-series lenses

are highly regarded by professionals

who demand uncompromising optical performance in specialized

situations. These specialty lenses incorporate innovative Canon

technologies such as Ultra-low Dispersion (UD) glass, fluorite

and aspherical elements, and Super Spectra Multi Coating.

Canon L-series lenses have earned their place on the cameras of

serious photographers across the globe.



*Cinematographers may now expand their
boundaries with the extensive selection of over
60 Canon EF/EF-S lenses, a robust line with over
70 million produced.*

Fisheye and Fisheye Zo

Super wide-angle and spe

photography captures ea

unique perspective. The C

is the world's first fisheye

with a 180° angle of view o

focus as close as 8 inch

Fish





Resolution & EOS C300 PL

Technology – but never for its own sake. Always to simplify your shoot. Increase your options. Advance your art. Accelerate

Canon EOS C300 (EF Mount) and EOS C300 PL (PL Mount)

To integrate easily into the working style and equipment array of film crews and production houses, the Cinema EOS system begins with two camera bodies. The EOS C300 has a Canon EF lens mount and is compatible with all of Canon's EF lenses, including compact primes, super telephotos, specialty Tilt-Shift, Macro and fisheye – over 60 in all. It also has communication contacts built into its mount, allowing EF lens functions such as focus and iris to be adjusted wirelessly via the optional Canon Wireless File Transmitter WFT-E6A unit. This offers huge potential for specialty applications where cameras must be controlled remotely such as nature documentaries or reality TV.



EOS C300 with EF mount



EOS C300 PL with PL mount

The EOS C300 PL has a PL mount and is compatible, both with a new series of Canon EF Cinema lenses (PL mount), as well as the majority of third-party optics available for 35mm motion picture cameras.

Canon Digic DV III Image Processor

Designed and built by

Canon for the highest HD RGB processing, the

Digic DV III Image Processor uses proprietary circuits and architecture to deliver the highest image quality at the highest speeds.



Full Frame (16:9 Video capture)

Super 35mm (16:9)

EOS-1D X EOS C300 and EOS 5D Mark II EOS C300 PL

Modeled on the Super 35mm Canon's CMOS sensor has photosites to perform the optoelectronic transformation of digital imaging. Each photosite is a generous 6.4 micrometers in area and has a microlens that ensures the highest efficiency in transfer to the individual photosites within the photosite simulation noise floor while enhancing photodiode – a combination

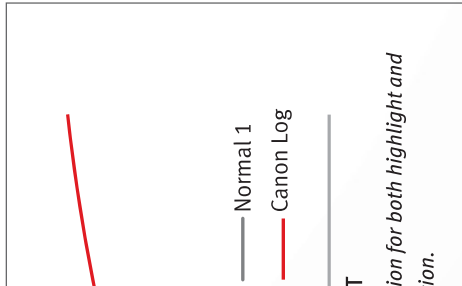
Signal processing equivalent

The image sensor utilizes that delivers full bandwidth without the need for any components has a 1920 up to 60 frames. From the



XIT,* shot in Canon Log mode.

ematographers can set the primary light meter practices. Transfer function embodied processing system. This transfer facilitate the post-production



ma EOS in a manner akin to ally transferred from motion (process). By managing the

These sophisticated video grading processes restructure a new digital representation that achieves your sought-after creative look on a quality reference display.

Lens Peripheral Illumination Correction

When shooting with Canon EF optics that support Peripheral Illumination Correction, the EOS C300 can automatically compensate for the light fall off or vignetting characteristics of each particular lens. Correction data specific to each lens model is loaded onto the camera's firmware, with future lens data added through firmware updates.

High Image Quality for Post Production Benefits

Whether showing dailies to producers or beginning the edit process, professionals demand images of the highest quality – pictures that look great and hold up during post-production. Canon developed the EOS C300 and EOS C300 PL sensor to capture images with a wide pixel pitch for detailed, low-noise blacks and impressive dynamic latitude even at higher sensitivities. The EOS C300 and EOS C300 PL can also record different frame rates, including 23.98, true 24.00 if you're also shooting with a film



Frame grab after color grading.

Dynamic Range

Wide Latitude Even in

The EOS C300 and EOS C300 PL's CMOS sensor designed specifically for motion pictures, offering not only a wide depth-of-field but also high dynamic range. Together, Canon's Super 35mm Sensor Processor achieve a remarkable 13.5 stops of dynamic range, letting you record with great detail in minimal light. A dark and detailed scene on the EOS C300 PL, no problem.

“You see things you saw before in shooting with suddenly, you I’ve never seen the filter, but”

EOS C300 and EOS C300 PL – ISO and Dynamic Range Specifications (Canon Log, Progressive scan)

S/N Ratio	GAIN	18% GRAY	ISO
4.1dB	6.7 Stops 30dB	5.3 Stops	ISO 20000
4.5dB	6.7 Stops 26dB	5.3 Stops	ISO 12800
5.0dB	6.7 Stops 20dB	5.3 Stops	ISO 6400
5.3dB	6.7 Stops 14dB	5.3 Stops	ISO 3200
5.4dB	6.7 Stops 8dB	5.3 Stops	ISO 1600
5.4dB	6.7 Stops 2.5dB	5.3 Stops	ISO 850
5.4dB	6.8 Stops 2dB	5.2 Stops	ISO 800
5.4dB	6.8 Stops 0dB	4.9 Stops	ISO 640
5.4dB	7.8 Stops -4dB	4.2 Stops	ISO 400

Canon Log Base Sensitivity ↑

Operation, Modularity & Third-Party

tion, the Canon EOS C300 is the most versatile and powerful camera on the market. It's fast, it's quiet, it's exactly where you need it, and it's easy to use. The EOS C300 has a variety of interfaces for Time Code, LUTs, and remote operational controls. It's easy to set up and easy to use. It's easy to buffer memory. In a world where you need to put it down.

and

When you need it, the EOS C300 is the most versatile and powerful camera on the market. It's fast, it's quiet, it's exactly where you need it, and it's easy to use. The EOS C300 has a variety of interfaces for Time Code, LUTs, and remote operational controls. It's easy to set up and easy to use. It's easy to buffer memory. In a world where you need to put it down.



Waveform Monitor (WFM) function that shows the overall brightness of a scene, with RGB Parade Display to view red, green and blue brightness or Spot Display to isolate the luminance distribution of a chosen area. The EOS C300 and EOS C300 PL Vectorscope (VS) display shows real-time hue and saturation

the overall degree of focus and a red waveform that represents focus in three specific areas displayed on the camera's 4" LCD monitor. It's all in the camera.

Rich Audio Controls

When mounted to the EOS C300 or EOS C300 PL cameras, the included control unit provides two XLR audio inputs with +48V phantom power. A 3.5mm microphone terminal is also built in to the camera. Audio is recorded uncompressed in 16-bit PCM format at 48 kHz for high fidelity sound. Both XLR inputs, as well as the microphone terminal have the option for automatic, as well as full manual gain control (-Infinity to +18dB). Additionally, a 3.5mm headphone terminal with 16 volume settings offers accurate audio monitoring.



can be controlled via the camera's 802.11 b/g/n Wi-Fi interface. You can also adjust the white balance and gamma through the camera's menu system. The camera also has a built-in GPS for geotagging and a timecode generator for synchronization with other cameras.

that's the advantage of Canon's Wireless File Transmitter. The EOS C300 and EOS C300 PL are preconfigured so that they can be controlled on third-party devices, including computers, smartphones, and tablets. For additional software, you can purchase Canon's EOS C300 PL Remote App for iOS and Android.





are surprisingly small (5.24" at just over 3 lbs. They have viewfinder and come bundled with a 3 megapixel monitor and a built-in ND filter



Built-in ND filter



With monitor unit and handle

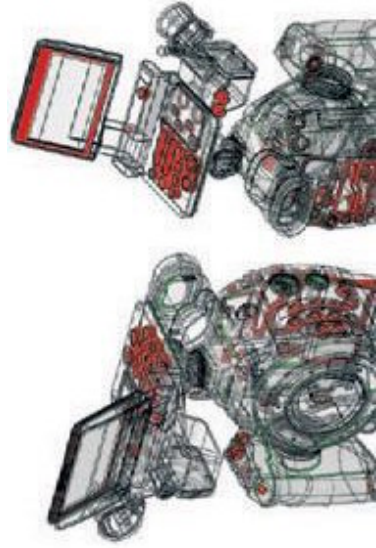
With matte box, follow focus and monitor unit

stops of filtering. Hand-held or using a tripod, on location or in the studio, the EOS C300 and EOS C300 PL fit shooting situations that are challenging for larger cameras.

Rugged, Durable and Quiet

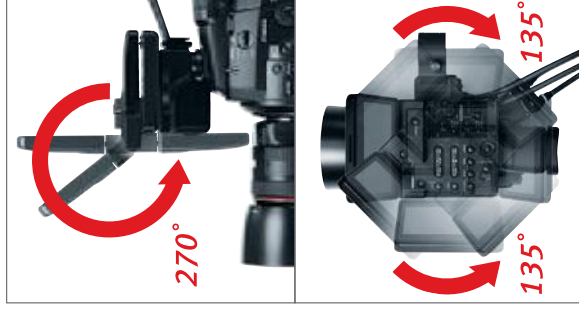
The EOS C300 and EOS C300 PL's dust-proof and splash-proof design includes sealing gaskets around the edges of all access covers, dials fitted with o-rings on the axis of rotation, and button key-tops sealed with rubber. The EOS C300 and EOS C300 PL also feature a built-in silent cooling system with a heat-dissipating duct in the center of the body, a graphite sheet that conducts sensor heat towards the heat sink, three ventilation holes and a cooling fan that pulls hot air out through an exhaust opening. All air is directed through a discrete pathway that keeps dust particles away from sensitive components. Your camera runs cool, quiet and clean.

Dust-proof, splash-proof design



Comfortable Ergonomic Controls

The moment you pick up the EOS C300 or EOS C300 PL, you'll feel right at home. The detachable grip rotates 360° in 15-degree increments so the start/stop, iris control and multi-controller buttons are always literally at your fingertips. Four separate start/stop buttons and 15 other customizable buttons distributed over the camera body mean quiet and intuitive access. Large dials positioned in two places can be customized for different functions and are easy to operate from all angles. The viewfinder tilts up to a convenient 60° angle. The 4" control panel and 1.23 megapixel monitor rotates 135° left/right or 270° down – and can be mounted directly on the camera body or the handle unit. Top, behind, from either side, on either shoulder – the EOS C300 and EOS C300 PL operate from any angle.



graphite sheet conducts sensor heat towards the heat sink. Additionally, cooling fans on top force hot air in the body away from vents and out through exhaust openings.

Cinema EOS is designed workflow. Not only is the extraordinary range of PL with major third-party shades and support rods, gaffer flags and follow focus system and not worry leaving

“What I like about that it is small, configurable. For instance, hand-held ways that we with an over-t which is a little then when w spaces, like i what not, we and just use

Pre Rec for Shooting in a Single Take

For situations where there is no second take and action shoots when things can happen with little warning, the EOS C300's and EOS C300 PL's Pre Rec feature continually record approximately three seconds of full motion imaging to buffer memory. When you press the record button, these seconds are automatically added to the shot – and you'll have a welcome margin of insurance to capture the unexpected.

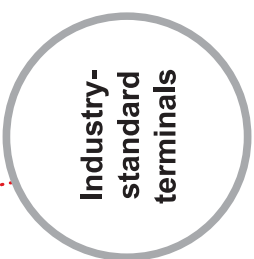


Production – Taking It to the Screen

For us, it's just called work. It works the way you do. We can match the exact needs and plug-ins for leading professional production modes and adjustments.

Function

Files in the internationally standard MXF – wrapping video file that maintains access to the production process. The inexpensive and easy-to-find



Files in the internationally standard MXF – wrapping video file that maintains access to the production process. The inexpensive and easy-to-find



Perfect for Mixed Shoot Editing

The tremendous dynamic range of the EOS C300 and EOS C300 PL with Canon Log gamma can be easily converted to industry standard 10-bit Cineon

24.00p

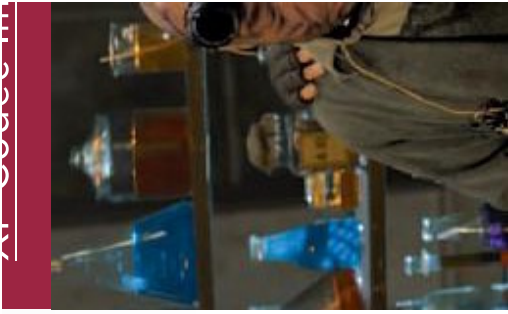
(.cin) Log format which assures smooth integration with industry standard post workflow and

finishing. The EOS C300's and EOS C300 PL's 24.00p mode matches the exact frame rates of film cameras, so there's no need for time-consuming frame-rate conversion. And you'll have plug-ins for leading NLE systems from Adobe®, Apple®, Avid® and Grass Valley®. Whether your entire production is digital or your EOS C300 and EOS C300 PL are used as an A, B, or C camera on a primarily film-based shoot, the integrity of your image and sound is assured through the editing process – and beyond.



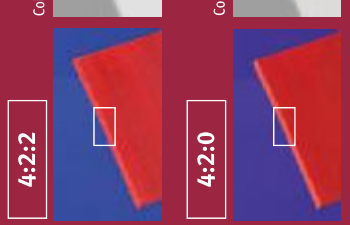
CF Card Slots and Terminals

The EOS C300 and EOS C300 PL record to CF cards through dual slots – and for both cost and reliability, CF cards have no equal. Easy to find anywhere your work takes you, two reusable and hot-swappable 32 GB CF cards let you record up to 2 hours of 4:2:2 footage at 50Mbps. The EOS C300 and EOS C300 PL can even record to two CF cards simultaneously or relay record and copy from one card to another. For accurate file transfer and communication during multi-camera shoots involving switchers, VTRs and NLE systems with SDI inputs, the EOS C300 and EOS C300 PL have profes-



To create digital files robust as the EOS C300 and EOS C300 PL, we use XF Codec quality with its XF Codec XF-series professional camera. The EOS C300 and EOS C300 PL offer vertical resolution of color, color sampling, minimizing blue and ensuring ample with green screens. Thank you to EOS C300's and EOS C300 PL's quality and cinematic look – and your result will mat-

XF Codec Quality Chart



These illustrations represent a component signal is converted to a brightness component. The illustrations produced from them look quite different.

...s, including gamma, knee, and more. Settings can be... EOS C300 and EOS C300 PL cameras. A number of natural... OS C300 and EOS C300 PL;... post-production and EOS... a Canon EOS DSLR.

...process with the lens cap on the camera, black balance adjustment is especially useful the first time you use the EOS C300 or EOS C300 PL, when your camera has been on the shelf for an extended period, when you'll be shooting in a wide range of temperatures, or when the ISO sensitivity or gain settings have been changed.

Recording Modes

With the realities of production in mind, the EOS C300 and EOS C300 PL let you record in a number of different modes, resolutions and frame rates. You can shoot in both PAL and NTSC modes at 50Mbps (CBR), 35Mbps (VBR) and 25Mbps (CBR) with a range of settings for resolution, color, frame rate and recording time. Whether you're shooting with the expectation of significant editing and post-production, recording for compatibility with HDV editing, or simply creating the longest possible HD image files, the EOS C300 and EOS C300 PL will perform flawlessly.

Recording Modes

Recording Mode	Frame Rate	Recording Time (64 GB)
Highest image quality mode, optimal for shooting scenes that must meet needs in sophisticated editing, such as chroma key compositing and color correction	59.94i	Approx. 160 min.
	50i	
	29.97p	
	25p	
Ideal for the longest possible full-HD recording	24.00p	Approx. 225 min.
	23.98p	
	59.94p	
	50p	
35Mbps (VBR) 4:2:0	29.97p	Approx. 225 min.
	25p	
	24.00p	
	23.98p	



“I'm always impressed when we project on a larger scale, how little there is to correct and how good it looks.”

TIM SILANO
Editor on “Max Is Back”

High-Speed, Slo-Mo, Time-Lapse and Stop-Motion

Beyond the advantages of file-based recording, the EOS C300 and EOS C300 PL offer you more creative possibilities in post-production. By capturing fewer frames per second, the EOS C300 and EOS C300 PL can transform normal action into intense high-speed motion up to 60x. By capturing more frames per second, the EOS C300 and EOS C300 PL can slow down motion to 1/2.5x at 720p. You can also program your EOS C300 and EOS C300 PL to record a set number of frames at defined intervals for amazing time-lapse photography – and its frame-recording feature is perfect for stop-frame animation.

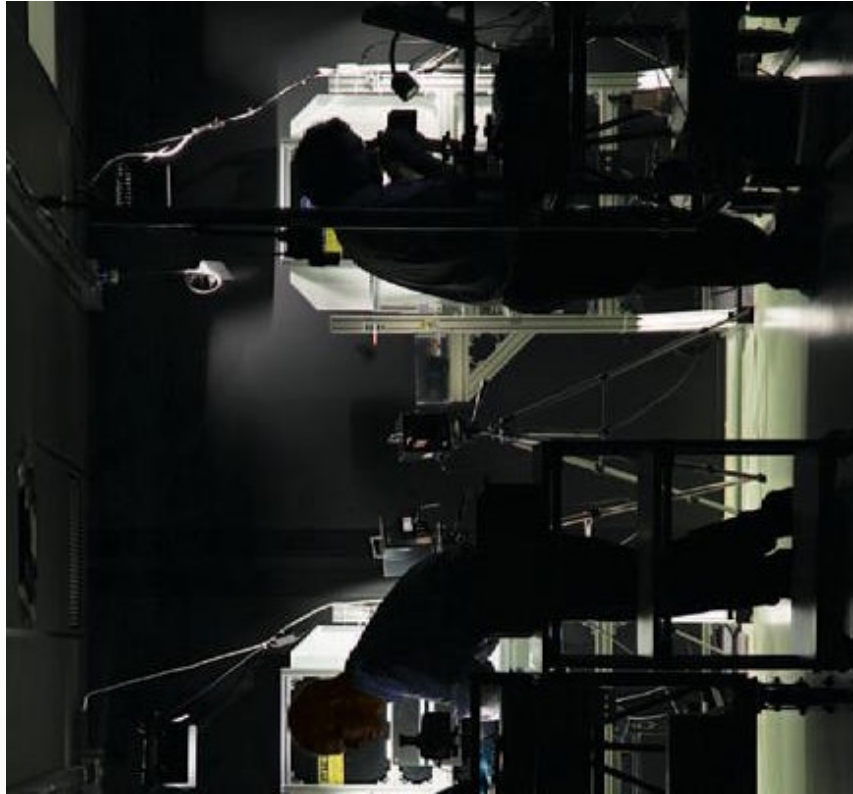
Recording Frame Rate (fps)

Recording Frame Rate (fps)	1	5	6	8	12	15	18	20	21	22	24	25	26	27	28	30	32	34
1920 x 1080 / 1440 x 1080	29.97p																	
1920 x 1080 / 1440 x 1080	25p																	
1920 x 1080 / 1440 x 1080	1 ... 30 fps (NTSC)																	
1920 x 1080 / 1440 x 1080	1 ... 25 fps (PAL)																	
1920 x 1080 / 1440 x 1080	1 ... 60 fps (NTSC)																	

Non-Linear

To manage your recorded EOS C300 and EOS C300 export to Non Linear Editing software plug-in, or file manager Easy Browser Software. D like Adobe, Apple, Avid and plug-ins give you simple, Windows® / Mac® compatible For professional editing programs, Canon's Easy Backup, backup, metadata and simple, logical package th

ing Commitment to Service, Support and Education



ness. Profits. Budgets. o know they're dealing on, you can count on a vice is world-class. Our t to your needs. And our the range of live and

als



to dustries. Located in the e Center is staffed with

Support Programs Customized for Your Needs

Cinematographers, production companies, film schools and other industry professionals can take advantage of optional service programs tailored for their specialized needs. Service partnerships for full-service dealers as well as rental houses are also available, providing additional flexibility to Canon's industry partners. We tailor our custom training packages to the needs of your specific production, with expert staff available to deliver training at our new Hollywood Service Center or on location throughout the USA. Whether you require expedited repair turnaround times, loaner equipment or equipment maintenance, Canon has a program to keep your business and equipment up and running. And we'll expand these service offerings as the Cinema EOS production community expands.

Unsurpassed Educational Resources

Education is another cornerstone of Canon's commitment to professional cinematographers. Whether online, on your lot or as part of a destination activity, Canon is here to provide you with the resources you need to stay current and keep your creative passion alive.

Canon Live Learning (CLL)

Seminars and workshops are conducted nationwide, with classes taught by industry experts and Canon's renowned Explorers of Light staff. Covering the gamut of still and cinematic topics from technique to gear selection to in-depth system configuration, CLL events offer pros and enthusiasts alike the opportunity to sharpen their skills in immersive hands-on settings. Schedules are available at: usa.canon.com/canonlivelearning



CANON LIVE LEARNING
usa.canon.com/canonlivelearning

turnaround times and substantial service parts inventories, we'll get you back in action fast. If you're on location, you can count on Canon's nationwide service centers for factory-quality repairs and available 24/7 Call Center support. And it's a two-way relationship. Canon not only makes certain our equipment is



The Canon Digital Learn

Center, Canon's web-based education and knowledge platform for imaging professionals, is equally recognized for the resources presented in a compelling format. Downloadable white paper resources include tutorials, additional information in support system FAQs, technical articles, interactive menu and button sample videos, behind the scenes 24/7, anywhere in the world. Center is tablet friendly, and resources are always accessible anywhere' resource for professionals running with the confidence of the Cinema EOS system. Learn more at: learn.usa

Commitment to the Future

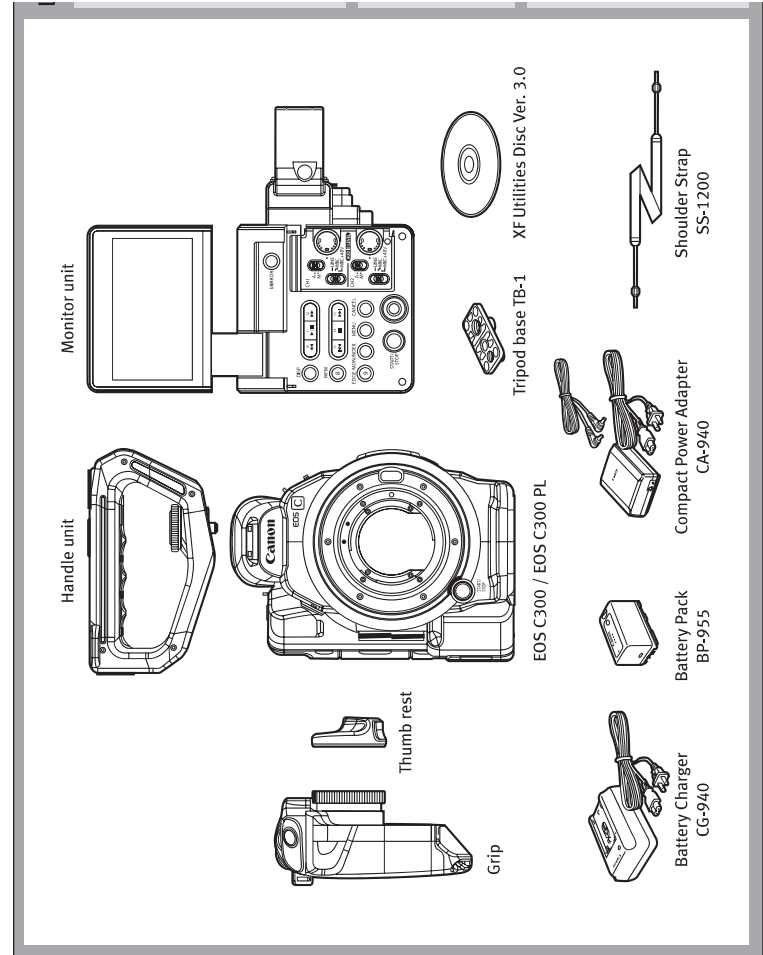
Needs change. Technology keeps abreast of evolving technology competition. Cinema EOS systems right from the start -



66.9 x 37.7 at 114.5mm 13.4 x 8.5 at 60mm	65.2 x 36.7cm at 300mm 11.4 x 5mm 15.0 x 8.4cm at 60mm	0.70m/2.4"	74.2° x 57.8° at 14.5mm 20.7° x 15.2° at 60mm	79.2° x 49.9° at 14.5mm 22.6° x 12.8° at 60mm	11	1.2, 6 at 14.5–60mm	4.1x	PL T2.6 LSP EF T2.6 LS	CN-E14.5–60mm T2.6 LSP CN-E14.5–60mm T2.6 LS
101.3 x 56.6 at 30mm 9.9 x 5.6cm at 300mm	98.8 x 55.6cm at 30mm 9.6 x 5.4cm at 300mm	1.5m/5"	44.6° x 25.9° at 30mm 4.7° x 2.6° at 300mm	43.6° x 25.4° at 30mm 4.6° x 2.6° at 300mm	11	1:2.95 at 30–240mm/ 1:3.7 at 300mm	10x	PL T2.95–3.7 LSP EF T2.95–3.7 LS	CN-E30–300mm T2.95–3.7 LSP CN-E30–300mm T2.95–3.7 LS

Canon EF Cinema Prime Lenses									
Mount	Focal Length	Zoom Ratio	Max. Relative Aperture (F-Number)	Iris Blades	Angle of View		M.O.D. (from image sensor)		Object Dimensions at M.O.D.
					1.5-1 36.0 x 24.0mm	1.78-1 24.6 x 13.8mm	1.5-1 36.0 x 24.0mm	1.78-1 24.6 x 13.8mm	
EF	24mm	–	1:1.5	11	73.7° x 53.1°	54.3° x 32.1°	0.30m/12"	28.8 x 19.2cm	19.7 x 11.0
EF	50mm	–	1:1.3	11	39.6° x 27.0°	27.6° x 15.7°	0.45m/18"	24.9 x 16.6cm	17.0 x 9.5
EF	85mm	–	1:1.3	11	23.9° x 16.1°	16.5° x 9.3°	0.95m/37"	34.3 x 22.9cm	23.4 x 13.1

EOS C300 / EOS C300 PL SYSTEM



EOS C300 / EOS C300 PL KIT CONTENTS



- EOS C300 or EOS C300 PL Body (with Grip/Camera cover R-F-3)
- Monitor unit
- Handle unit
- Battery Pack BP-955*
- Battery Charger CG-940*
- Tripod base TB-1
- WFT Attachment
- Measuring Hook
- AC Cable x2
- DC Cable (for CA-940)

DISPLAY
Type: Rotating 4-inch Wide Screen Color LCD Display (1.2, 30, 60, 120 dots) on detachable controller
Aspect Ratio: 16:9
Field of View Coverage: 100%
Display Adjustments: Brightness, Contrast, Color, Sharpness, and Backlight (Normal or Bright)

INPUT/OUTPUT
HD/SD SDI: Yes (with embedded audio); SD 4:2:2 (CbCr) 1920 x 1080: 60i/50i, 1280 x 720: 60p/50p; BNC Connector, output only
NTSC 480i/PAL 576i: Compliant with SMPTE 259M Embedded Audio: Compliant with SMPTE 272M Time Code Standard: (VITC/LTC) SMPTE 12M
HD-SDI: (Compliant with SMPTE 292M) Embedded Audio: Compliant with SMPTE 299M Time Code Standard: (VITC/LTC) SMPTE 12M
Adjustment range: -1023 to +1023
Sync Out: Yes, BNC Connector
HD tri-level signal (HD Sync)
HD-Y signals (HD-Y)
Black Burst signal
Composite
HDMI: Yes (Type A)
Audio Input Terminal: 2 – Balanced 3-pin XLR (Mic Level, Mic Level with phantom power and Line Level)
3.5mm Microphone terminal
Headphone Jack: Available; 3.5mm stereo mini-jack
Remote Terminal: Available (Fully LANC Compatible)

POWER
Power Terminal: DC in on camera (no need for "Dummy Battery")
Battery: BP-9 Series
Compact Power Adapter: CA-940

ACCESSORIES
Tripod Adapter: Canon TA-100
Tripod Adapter Base: Canon TB-1
Wi-Fi Adapter: Canon WFT-E6A

OTHER
Dimensions (W x H x D): EOS C300 (Body plus Thumb Rest): Approx. 5.2 x 7.0 x 6.7 in. (133 x 179 x 171mm)
EOS C300 (Body plus Grip): Approx. 6.9 x 7.0 x 6.7 in. (174 x 179 x 171mm)
EOS C300 PL (Body plus Thumb Rest): Approx. 6.9 x 7.0 x 6.7 in. (174 x 179 x 171mm)
EOS C300 PL (Body plus Grip): Approx. 6.9 x 7.0 x 7.0 in. (174 x 179 x 177mm)
Approx. 6.9 x 7.0 x 7.0 in. (174 x 179 x 177mm)
The following is the same for both models:
EOS C300 + Monitor Unit:
Approx. 7.3 x 9.8 x 7.4 in. (185 x 249 x 187mm)
EOS C300 + Handle Unit + Monitor Unit:
Approx. 7.3 x 11.2 x 11.9 in. (185 x 284 x 301mm)

Main Unit Weight: EOS C300 Body: Approx. 3.2 lb. (1.430g) (230 g) Handle Unit: Approx. 6.3 oz. (180g)
Total Equipped Weight: EOS C300: Approx. 5.6 lb. (2520g)*
EOS C300 PL: Approx. 6.0 lb. (2720g)**
EOS C300: Approx. 6.0 lb. (2700g)**
EOS C300 PL: Approx. 6.4 lb. (2900g)**

* Weights for both models include the grip, monitor unit, BP-955, 2x CF cards. ** Weights for both models include the grip, monitor unit, Handle Unit, BP-955, 2x CF cards.
Temperature and Humidity: Performance requirements: 0°C to 40°C, 85% (relative humidity) Operating requirements: -5°C to 45°C, 60% (relative humidity)

Language Support: English, Japanese, Chinese, German, Spanish, French, Italian, Polish, Russian
Time and Date: Automatic Calendar range January 1st, 2010

Recording Channel Selection: Two Channel Recording
XLR Mic Trimming: Available: -12dB, -6 dB, 0dB or +12dB
Recording Level Adjustment Range: -Infinity to +18dB
Phantom Power: Available: +48V
Headphone Adjustment: 16 Settings; Volume is muted at lowest setting
1kHz Tone: Available: -12, -18, or -20dB

FEATURES AND PERFORMANCE
Playback: Index Displays: Index Display, Normal, "OK Mark" Index, "Check Mark" Index, "Shot Mark" Index, Expand Index, Photo Index Clip Playback: Forward Search (x5, x15, x60), Reverse Search (x5, x15, x60), Forward frame Advance, Reverse Frame Advance, Record Review, Clip Jump (Forward and Backward), Skip Playback
Still Image Playback: Index, Single playback, erasure, protect
Slow and Fast Motion Recording:
50 Mbps - 1920 x 1080 (Playback Rate: 29.97p/23.98p/24.00p)
Record Rate: 1-30 (Playback Rate: 50i/25p) Record Rate: 1-25
50 Mbps - 1280 x 720 (Playback Rate: 59.94p/29.97p/23.98p/24.00p)
Record Rate: 1-60 (Playback Rate: 50p/25p) Record Rate: 1-50
35 Mbps - 1920 x 1080 (Playback Rate: 29.97p/23.98p/24.00p)
Record Rate: 1-30 (Playback Rate: 50i/25p) Record Rate: 1-25
35 Mbps - 1280 x 720 (Playback Rate: 59.94p/29.97p/23.98p/24.00p)
Record Rate: 1-60 (Playback Rate: 50p/25p) Record Rate: 1-50
25 Mbps - 1440 x 1080 (Playback Rate: 29.97p/23.98p) Record Rate: 1-30
Special Recording Functions: Relay Recording*, Double-Shot Recording**, Copying between Media
* Not available during Slow Motion 50 Mbps recording
** Not available in combination with Slow and fast motion recording
Photo Recording: Available; Images captured to SD Card (1920 x 1080)
Waveform Monitor: Available
Vectorscope: Available
Exposure / Focus Aids: Peaking (2 types), Zebra Pattern*, Magnify, Edge-Monitor Focus Assist, Black and White Mode
* Can be output via the SD or HDMI Jack (HD Only)
Interval Record: Available; Interval can be set in 25 levels ranging from 1 second to 10 minutes. (1s/2s/3s/4s/5s/6s/7s/8s/9s/10s/15s/20s/30s/40s/50s/1m/2m/3m/4m/5m/6m/7m/8m/9m/10m)
NTSC 59.94i/29.97p/23.98p/24.00p; Selectable between 1, 3, 6, 9 frames
NTSC 59.94p; Selectable between 2, 6, 12 frames
PAL 50i/25p/50p; Selectable between 2, 6, 12 frames
Frame Record:
NTSC 59.94i/23.98p/24.00p; Selectable between 1, 3, 6, 9 frames
NTSC 59.94p; Selectable between 2, 6, 12 frames
PAL 50i/25p/50p; Selectable between 2, 6, 12 frames
Pre-Record: Yes; 3 seconds cache (Audio and Video)
Scan Reverse: When using a Depth of Field Converter or other lens adapters it flips or reverses the image automatically so it is recorded correctly.
Time Code: Drop Frame (DF) and Non-Drop Frame (NDF)
*Drop Frame works with NTSC models only and is not available in 24P
Time Code Modes: Regen, Record Run, Free Run and External Source
Drop Frame and Non Drop Frame available
White Balance: Available; 2,000K to 15,000K in 100K increments
White Balance Presets: Daylight (5,400K); Tungsten (3,200K); Kelvin White balance shift is available within Presets (+9 to +9)
Custom Picture Settings: 23 Custom Picture settings
A total of nine 9 Customized Pictures are available in the camera and up to 20 can be saved to an SD card
Custom Pictures CP7, CP8 and CP9 ship with the following preset:
C7: Video C – Intended for recording media for playback on consumer TVs. The setting minimizes noise in the dark areas and improves contrast by tightening up on black.
C8: Cine, V – Suited for giving recorded media a film tone.
C9: Cine, F – Used for when recorded media will be transferred to film.
Custom Functions: Available, 9 total functions
Custom Display: Yes; LCD panel and EVF information display can be customized. Total of 27 display options can be turned on and off
Assign Buttons: 15; Can be assigned functions as desired (30 functions Available)
Color Bars: Color bars compliant with SMPTE, EBU, or ARIB standards can be selected.
Dynamic Range: up to 800% with Canon Log Gamma and ISO 850 (+2.5dB) and above

1/4, 1/8, 1/15, 1/6, 1/12, 1/24, 1/32, 1/48, 1/60, 1/80, 1/90, 1/100, 1/125, 1/150, 1/180, 1/200, 1/250, 1/300, 1/360, 1/400, 1/450, 1/500, 1/560, 1/600, 1/640, 1/700, 1/750, 1/800, 1/850, 1/900, 1/950, 1/1000, 1/1100, 1/1200, 1/1300, 1/1400, 1/1500, 1/1600, 1/1700, 1/1800, 1/1900, 1/2000, 1/2100, 1/2200, 1/2300, 1/2400, 1/2500, 1/2600, 1/2700, 1/2800, 1/2900, 1/3000, 1/3100, 1/3200, 1/3300, 1/3400, 1/3500, 1/3600, 1/3700, 1/3800, 1/3900, 1/4000, 1/4100, 1/4200, 1/4300, 1/4400, 1/4500, 1/4600, 1/4700, 1/4800, 1/4900, 1/5000, 1/5100, 1/5200, 1/5300, 1/5400, 1/5500, 1/5600, 1/5700, 1/5800, 1/5900, 1/6000, 1/6100, 1/6200, 1/6300, 1/6400, 1/6500, 1/6600, 1/6700, 1/6800, 1/6900, 1/7000, 1/7100, 1/7200, 1/7300, 1/7400, 1/7500, 1/7600, 1/7700, 1/7800, 1/7900, 1/8000, 1/8100, 1/8200, 1/8300, 1/8400, 1/8500, 1/8600, 1/8700, 1/8800, 1/8900, 1/9000, 1/9100, 1/9200, 1/9300, 1/9400, 1/9500, 1/9600, 1/9700, 1/9800, 1/9900, 1/10000

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