

Canon EOS C100	
Camera	
Image Sensor	
Sensor	Super35mm type CMOS
System	RGB primary colour filter (Bayer array)
Total pixels per sensor	9.84 megapixels
Effective pixels per sensor	8.29 megapixels
Minimum illumination	NTSC Mode 0.3 Lux [F1.2 lens , 24 dB, 29.97P mode, shutter speed 1/30] PAL Mode 0.25 Lux [F1.2 lens, 24 dB, 25.00P mode, shutter speed 1/25]
Sensitivity	NTSC: F9 [1920x1080/59.94i , ISO640 (0dB), 2000 Lux, 89.9% reflection] PAL: F10 [1920x1080/50.00i , ISO640 (0dB) , 2000 Lux, 89.9% reflection]
S/N Ratio	NTSC: 54dB (Typical) [1920x1080/29.97P, Canon Log base sensitivity ISO850 (Dynamic range 800%)] PAL: 54dB (Typical) [1920x1080/25.00P, Canon Log base sensitivity ISO850 (Dynamic range 800%)]
Dynamic Range	During normal shooting: 300% With Canon Log gamma: 800% (ISO 850 or above/gain 2.5 dB or more)
Horizontal Resolution	Up to 1000 TV lines or more (1920 x 1080i mode), depends on lens used.
Lens	
Lens Mount	Canon EF Mount, including EF-S and EF Cinema lens
Focal length	Equivalent to 1.53x the focal length of EF lenses; As indicated for EF-S lenses and Canon cine lenses
Peripheral illumination correction	YES (dependent on lens used)
ND filter	4 glass filters in camera body: Off, 2 stops; 4 stops; 6 stops. Operate via dial on body .
Focus control	Via lens or by using ONE-SHOT AF mode.
Iris control	Via body, grip, remote control or Push Auto Iris control . 1/2-stop, 1/3-stop or FINE control. Possible to maintain constant F-number during zoom.
Image stabilization system	Depends on lens used
Image Processor	
Type	DIGIC DV III
Recording	
Video storage media	SD/SDHC/SDXC card (2 card slots)
Recording time	64GB SD card: up to 5 hours, 55 minutes. (1920 x 1080 @24Mbps VBR)
Recording file format	AVCHD
Recording format	MPEG-4 AVC/H.264 24 Mbps LPCM VBR (4:2:0); 24 Mbps VBR (4:2:0); 17 Mbps VBR (4:2:0); 7 Mbps VBR (4:2:0, 1440 x 1080).
Recording frame rate	59.94 Hz mode (NTSC): 60i/PF30/PF24/24p; ³ 50.00 Hz mode (PAL): 50i/PF25. ³
Slow/Fast motion	NO
Interval Record	NO
Frame Record	NO
Pre Record (cache record)	YES (3 seconds)
Relay Recording	YES
Double Slot (simultaneous) Recording	YES
Scan Reverse	YES. Vertical or horizontal image inversion, or both.
HD->SD conversion	Yes (AVCHD to 9Mbps MPEG-2) ⁴
Internal Data Transfer	MOVIE: Yes (SD card to SD card)
Photo storage media	SD/SDHC memory card
Still quality	During video recording: 1920 x 1080; During playback: 1920x1080
System	
LCD	
Size	8.8 cm (3.5"), 100% view
Dots	922.000
Image quality adjustments	Brightness, contrast, colour, sharpness, backlight, black & white
Adjustable	Up/down/left/right according to camera configuration
Waveform Monitor	Waveform Monitor
Focus Assist	Peaking; Magnifying; Edge Monitor (using waveform display)
Peaking	Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each)
Zebra	Level 1; Level 2; Both Output via HD-SDI or HDMI
Markers	On/Off (Aspect ratio, Aspect marker, Safety Zone Area, Safety Zone, Grid, Horizontal, Centre)

EVF	
Size	0.61cm (0.24")
Dots	1.555 million
Image quality adjustments	Brightness, contrast, colour, sharpness, backlight, black & white
Adjustable	NO
Correction lens	+ 2.0 to -5.5 diopters
Inputs/Outputs	
Audio in	XLR inputs with 48V phantom power (x2), 3.5mm microphone input jack
Headphone output	3.5mm stereo jack
Video monitor output	NO
HDMI	YES (Type A, output only)
IEEE 1394 (Firewire)	NO
USB	YES (Mini-B, USB 2.0 Hi-Speed)
HD/SD-SDI output	NO
Time code	YES (Superimposed on HDMI Output signal)
Genlock	NO
Synch	NO
Component out	NO
AV terminal	YES (output only)
DC input	YES
Remote Control Terminal	2.5mm mini jack
Wireless Control Terminal	NO
Colour Bars	EBU, SMPTE, ARIB
Misc	
Tally lamp	YES
Accessory shoe	YES (cold shoe, 2 locations: top of body, front of handle)
Custom key	YES (15 assignable buttons; select from 35 functions)
Shooting functions	
Exposure	
Exposure metering	Manual: Exposure determined by shutter setting, iris setting, ISO/gain setting and ND filter setting; Push Auto Iris options: (i) Standard (Centre-weighted metering) (ii) Spotlight (iii) Backlight (compensation)
Exposure compensation	YES. AE Shift function. +/-2, +/-1.5, +/-1.25, +/-1.0, +/-0.75, +/-0.5, +/-0.25, +/-0
Auto Exposure mode	YES (Push Auto Iris)
Push Auto Iris	YES
Exposure Lock	NO
Auto Gain Control setting	NO
ISO Sensitivity	1-stop display: 320 ¹ , 400, 800, [850] ² , 1600, 3200, 6400, 12800, 20000 1/3rd stop display: 320, 400, 500, 640, 800, [850] ² , 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 16000, 20000 ¹
Gain setting	NORMAL: -6dB, -3dB, 0dB, 3dB, 6dB, 9dB, 12dB, 15dB, 18dB, 21dB, 24dB, 30dB; FINE: 0 dB to 24 dB (0.5 dB increments).
Shutter speed	
Control Modes	Off; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)
Shutter speed	1/3 to 1/2000 depending on frame rate and Shutter Control Mode
Shutter Angle	11.25° to 360° depending on frame rate
Slow Shutter (SLS)	1/3, 1/4, 1/6, 1/8, 1/12, 1/15, 1/25, 1/30 depending on frame rate
Clear Scan	60i: 59.94 Hz - 250.27 Hz PF30: 29.97 Hz - 250.27 Hz 24p/PF24: 23.98 Hz - 250.27 Hz 50i: 50.00 Hz - 250.78 Hz PF25: 25.00 Hz - 250.78 Hz
Custom Picture	
Stored Configurations	9, including 3 presets (CINEMA, Wide Dynamic Range (Wide DR) and EOS Std)
Storage Medium	SD/SDHC memory card (all customisation data and metadata), up to 20 Custom Pictures per card
Gamma	9 profiles
Canon Log Gamma	YES
Master Pedestal	-50 to +50
Master Black	-50 to +50 for each of R,G,B
Black Gamma	Adjustable Level, Range and Point
Low Key Saturation	-50 to +50 adjusts colour saturation in low brightness area
Knee	Adjusts over exposure characteristic, start, slope, saturation
Sharpness	Adjustment for Level, H Detail Freq., Coring, HV Detail Balance, Limit, Select, Knee Aperture and Level dependent sharpness
Noise reduction	Off, On (1 to 12)
Skin detail	Off, Low, Middle, High / Hue, Chroma, Brightness, Area, Y Level
Selective Noise Reduction	Off, Low, Middle, High / Hue, Chroma, Brightness, Area, Y Level
Colour matrix	Phase, Gain and RGB adjustment, in tandem with Gamma selection
White balance	-50 to +50 R Gain, B Gain
Colour correction	Area selection / area revision of two areas
Setup level	-50 to +50 On/Off
Clip 100% IRE	Limits output to 100% after setup adjustment

White balance	
Auto	YES
Preset	Daylight (5400K), Tungsten (3200K), Kelvin (2000K-15000K, 100K intervals), Set A, Set B
White Balance Shift	YES. -9 to +9 (Daylight and Tungsten only)
Black balance	
Black balance adjustment	YES
Time code	
Countup system	Regen, RecRun, FreeRun, Hold (Drop frame available for some frame rates), NDF only in 24P
Start value setting	"00:00:00:00", Set/Reset selectable
Audio	
Recording	16-bit 2ch (48 kHz) linear PCM when 24 Mbps LPCM selected Dolby Digital AC3 when 24/17/7 Mbps selected
Control	Independent limiters and auto/manual settings
Microphone attenuation	YES, for built in microphone (in handle unit) and 3.5mm MIC jack
Microphone level meter	YES
Accessories	
Supplied	Data Transfer Application, Handle Unit with microphone, Thumbrest, Grip, Tripod base adaptor plate, Shoulder strap, EVF cap, Battery Charger CG-930, Battery pack BP-955.
Optional	Batteries BP-955, BP-975, Compact Power Adaptor CA-930, Tripod Adapter TA-100, Shooting Brace SBR-1000
Battery	
Power Consumption	xxxx (NTSC mode) xxxx (PAL mode)
Continuous Recording Time	Supplied BP-955: Approx. xxx minutes Optional BP-975: Approx. xxx minutes
Miscellaneous	
Dimensions	Approx 135 x 170 x 129mm (thumbrest attached); Approx 182 x 170 x 129mm (grip attached); Approx 182 x 281 x 236mm (grip, monitor unit and handle attached) Approx 142 x 281 x 236mm (thumbrest and handle unit)
Detachable handle	YES
Weight (camera only)	xxxxg
Weight (fully equipped)	Approx xxxxg (grip, monitor unit, handle, hook, BP-955, 2x SD card)
Operating Temperature range	-5°C to +45°C, 60%relative humidity

Disclaimers

All specifications are subject to change without notice

1. 320 and 20000 are not 1-stop increments but represent highest and lowest supported ISO values
2. [850] = Lowest ISO sensitivity achieving 800% dynamic range with Canon Log function.
3. PF modes recorded as interlaced video
4. HD->SD conversion not possible for 24P recordings