

<b>LEGRIA GX10</b>	
<b>Internal Recording</b>	
Standard	MP4
Compression Format	MPEG-4 AVC / H.264
Audio Format	MPEG-4 AAC-LC (16bit 2CH)
Audio Sampling Frequency	48KHz
Colour Sampling	YCC420
Frame Rates	50p / 25p
Bit Depth	8 bit
Resolution & Bit Rate	3840x2160 (150Mbps), 1920x1080 (35/17Mbps), 1280x720 (8Mbps @ 50p / 4Mbps @ 25p)
<b>Simultaneous Internal and External Recording</b>	
Colour Sampling	YCC422*
Frame Rates	50p / 25p**
Bit Depth	8 bit
Resolution	Internal: 3840x2160, HDMI: 3840x2160 / 1920x1080, Internal: 1920x1080, HDMI: 1920x1080 / 720x576, Internal: 1280x720, HDMI: 1280x720 / 720x576
<b>External Recording Only</b>	
Colour Sampling	YCC422***
Frame rates	50p / 25p
Bit Depth	8 bit @ 3840x2160, 10 bit @ 1920x1080
Resolution	3840x2160, 1920x1080
<b>Slow and Fast Motion Recording</b>	
Fast Motion	2x, 4x, 10x, 60x, 120x, 600x, 1200x @50p
Slow Motion	0.5x (3840x2160 @ 25p, 1920x1080 / 1280x720 @ 50p/25p), 0.25x (1920x1080 / 1280x720 only)
<b>Photo</b>	
Standard	DCF, Exif Ver2.3 compliant
Compression Format	JPEG
Resolution	Same as video mode
<b>Recording Media</b>	
Speed	Minimum Class 6 recommended. Class U3 recommended for 150Mbps and Slow & Fast Motion recording
Number of Slots	2
File System	FAT32 / exFAT
Maximum File Count	Approx 450,000
Maximum Continuous Recording Time	12 hours
<b>Sensor</b>	
Type	1.0-Type CMOS
Total Pixels	Approx 13.4MP (4268x3148)
Effective Pixels	Approx 8.29MP (3840x2160)
Pixel Pitch	3.2x3.2µm
Filter	RGB Primary Colour Filter
System Frequency	50Hz
Scanning System	Progressive
Minimum Illumination	1.4 lux
Low Light Mode	0.1 lux
<b>Image Processor</b>	
Type	Dual DIGIC DV 6

<b>Lens</b>	
Focal Length	8.3 - 124.5mm
35mm Equivalent	25.5 - 382.5mm
Zoom Ratio	15x
Maximum Aperture	f/2.8-4.5
Minimum Aperture	f/11
Lens Configuration	14 groups of 18 elements (double aspherical and single Hi-UD lenses)
Aperture Construction	9 blade iris
ND Filter	3 densities, turret switched, motor driven. ND1/4, ND1/16, ND/64
Focus Adjustment	Inner focus
Minimum Subject Distance	10mm at wide end, 60cm across range
Lens Ring	Switchable between Focus and Zoom
Zoom Speed	Adjustable, Variable or Constant
Filter Diameter	58mm
Lens Converters	Optional TL-U58 1.5x Teleconverter, Optional WA-U58 0.8x Wide Attachment
Lens Hood	Supplied
Lens Cap	Supplied
Digital Zoom	300x, manual mode only
Digital Teleconverter	2x, cannot be used with digital zoom
Image Stabilizer	5-Axis with Optical lens shift and electronic pitch, yaw, roll
Image Stabilizer Control Modes	Dynamic IS (optimised for wide angle), Powered IS (optimised for telephoto), Standard, Off
<b>Exposure Control</b>	
Shooting Modes	Auto, P (program), Tv (shutter speed priority), Av (aperture priority), M (manual), SCN (scene)
Scene Modes	Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks
Metering System	Auto, P, Av, Tv, Portrait, Sports, Low Light: Centre-weighted average metering; Snow, Beach, Sunset, Spotlight, Night: Segment evaluative metering; Fireworks, Fixed exposure (1/50 sec), M: No metering
Exposure Compensation	Highlight AE, Exposure lock
Exposure Compensation Amount	+/-3 stop when locked, +/-2 stop in Auto. Half stop increments
Auto Backlight Compensation	Yes
Forced Backlight Compensation	Yes, except in Auto, Fireworks, and Wide DR
Auto Gain Control Limit	Manual: 0-29dB in 1dB increments, 1/4 speed Slow Motion: 9-29dB in 1dB increments, Wide DR: 9-29dB in 1dB increments, 1/4 speed Slow Motion and Wide DR: 18-29dB
Face Priority	Yes
Shutter Speed Range	1/2 to 1/2000 sec in M and Tv modes. Other modes vary to optimise scene
Gain Range	0-42dB (9-42dB in Wide DR) in 1dB increments.
Zebra Pattern	70% or 100%

<b>Focusing</b>	
Systems	Dual Pixel CMOS AF across 80% horizontal, 80% vertical field of view, Contrast AF
AF modes	Continuous AF, AF boosted MF, Manual
AF Operating Range	10mm - infinity (wide angle), 60cm - infinity (across zoom range)
AF Illumination Range	50 lux - 100,000 lux
AF Frame Sizes	Auto, Large, Small, Touch
Face Detection and Tracking	Up to 9 faces can be detected, one face or non-human subject can be tracked
Focus Guide	In manual focus, indicates focus direction for tracked objects
Face Only AF	Available
Focus Preset	Available
Focus Ring	User selectable direction and sensitivity
Display Zoom	2x
Peaking	Available in black and white and colour
Distance Display	Meters or feet
<b>Viewfinder</b>	
Angle Adjustment	Up to 45° upward
Screen Size	0.24" (0.61cm)
Resolution	1.56 million dot equivalent
Eyesight Adjustment	+2 to -5 diopter
Field of View Coverage	100%
Eyecup	Supported
Brightness Adjustment	Available
<b>Display</b>	
Type	Wide LCD supporting wide colour range
Touchscreen	Electrostatic capacitance system
Coating	Anti-reflective
Size	3.5" (8.9cm)
Resolution	Approx 1.56 million dots
Vari-Angle	Yes
Field of View Coverage	100%
Brightness Adjustment	Available
<b>White Balance</b>	
Type	FAWB
Modes	Auto, Daylight, Tungsten, Colour Temperature (K), User setting (x2)
Colour Temperature Range	2,000K to 15,000K
<b>Looks</b>	
Types	Standard (300% DR), Wide DR (800% DR), Monochrome
Adjustments	Sharpness, Contrast (except Wide DR mode), Colour Depth (except Monochrome mode)

<b>Audio</b>	
Built in Microphone	Stereo Electret Condenser with adjustable frequency response and windscreen
Built in Microphone Directionality	Mono, Normal, Wide
Microphone Input	3.5mm stereo mini-jack, Canon Mini Advanced Shoe
Attenuator	-20dB
Limiter	Available
Compressor	High, Low, Off
Microphone Input Low Cut	200Hz, on or off
Microphone Input ALC link	on or off
Headphone Output	3.5mm stereo mini-jack, adjustable volume
Internal Speaker	Yes, adjustable volume
HDMI Audio Output	Yes
Notification Sounds	Adjustable
Audio Scenes	Standard, Music, Festivals, Speech, Meeting, Forest and Birds, Noise Suppression
Input Impedence	5k $\Omega$
Input Sensitivity	-65dBV with mic, -30dBV with line (control at auto position, -12dB full scale)
Output Impedence	100 $\Omega$
Output Signal level	-29dBV (with 16 $\Omega$ load at maximum volume)
<b>Networking</b>	
Wireless Bands	2.4GHz (IEEE 802.11b/g/n), 5GHz (IEEE 802.11a/n)****
Transmission Frequencies and Channels	2.4GHz: 2412 - 2472MHz 1-13ch. 5GHz: varies by destination country
Connection Method	Infrastructure mode, Camera Access Point
Setting Method	WPS (push button / PIN code), manual, search
Encryption	WEP / TKIP / AES
IP Address Settings	Auto (DHCP / AutoIP auto switching), Manual (IP address, subnet mask, default gateway, priority DNS server, substitute DNS server)
Browser Remote	With compatible iOS and Android devices
FTP Transfer	Yes (movie only)
<b>Other</b>	
Timecode Drop Frame	On or off
Timecode Count-up systems	Regen, Rec Run, Free Run
Date and Time	Selectable, World Clock support
Camera Data Recording	Shutter speed, aperture, gain, and others can be stored with recording
Remote Control	In camera and playback modes
Onscreen Markers	Level, Grid, in white or grey
Pre Rec	Available, records 3 seconds before record button is pressed
Custom Key & Dial	Tv, Av, M, AGC limit, Exposure Compensation
Colour Bars	EBU or SMPTE
Test Tone	1KHz, -12/-18/-24dB selectable
Assignable Buttons	5
Dual Recording	Yes
Relay Recording	A to B or B to A
GPS Receiver	Optional GP-E2 can add latitude, longitude, altitude to recordings and set clock to UTC
Power Saving Mode	Yes
Software	Data Import Utility
Shoe	Cold shoe, Canon Mini Advanced Shoe
Tripod Mount	1/4-20 UNC

<b>Playback</b>	
Fast Forward/Rewind	Approx 5x, 15x, 50x
Slow Forward/Rewind	Approx 0.25x, 0.5x
Single Frame Movement	Yes, single frame or single GOP
Rec Review	Yes
Trimming	Yes, save as new or overwrite
Copy	Between cards or to computer via USB
<b>Output terminals</b>	
HDMI	Mini connector, function display and timecode on/off
USB	Hi-Speed USB Compliant mini-B
Remote	2.5mm Stereo Mini-Jack
<b>Power</b>	
DC Input	Yes
Built in Battery Charger	Yes
Battery Type	Lithium Ion
Intelligent Battery System	Yes
Recording with BP-828 (supplied)	Up to 95 minutes
Playback with BP-828 (supplied)	Up to 240 minutes
<b>Physical Specifications</b>	
Dimensions	Approx 135 x 97 x 214mm (excluding grip belt); Approx 150 x 97 x 267 (including lens hood and battery, excluding grip belt)
Weight	Approx 1140g (body only, including grip belt); Approx 1335g (including grip belt, lens hood, BP-828 and 1 memory card)
Operating Environment	For performance: Approx 0 to 40°C, 85% relative humidity; For operation: Approx -5 to 45°C 60% relative humidity
*	Not available in 3840x2160 @ 50p, 3840x2160 Slow Motion or 1280x720 Slow Motion
**	HDMI output of 720x576 is 50p only
***	Not available in 3840x2160 @ 50p, 3840x2160 Slow Motion or 1280x720 Slow Motion
****	5GHz band is disabled in territories that do not support it