

# LEGRIA GX10

## CREATE STORIES IN INCREDIBLE 4K QUALITY

This incredible 4K 50p video recorder features Dual Pixel CMOS AF focusing, 100fps Full HD slow motion, Wide DR and dual card slots for creating professional quality stories with seamless workflow.



- Incredible 4k 50p video in demanding situations with 15x optical zoom, large sensor and 8-stop ND filter
- Refined handling, large vari-angle screen with precise touch focus and powerful image stabilization
- Take control with customisable function buttons and dial, or get superb 4K results with Auto Mode instantly
- Enjoy continuous relay recording and simultaneously record in MP4 format with dual SD card slots
- Share wirelessly and shoot remotely with dual band Wi-Fi and get all the audio and output connections you need



### PRODUCT RANGE



LEGRIA XF400



LEGRIA GX10



LEGRIA HF G40

LEGRIA XF400  
**LEGRIA GX10**  
LEGRIA HF G40

**Canon**

# TECHNICAL SPECIFICATIONS

# LEGRIA GX10

## INTERNAL RECORDING

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)

## SIMULTANEOUS INTERNAL AND EXTERNAL RECORDING

Colour Sampling	YCC422*
	*Not available in 3840x2160 @ 50p, 3840x2160 Slow Motion or 1280x720 Slow Motion
Frame Rates	50p / 25p*
	*HDMI output of 720x576 is 50p only
Bit Depth	8 bit
Resolution	Internal: 3840x2160, HDMI: 3840x2160 / 1920x1080 Internal: 1920x1080, HDMI: 1920x1080 / 720x576 Internal: 1280x720, HDMI: 1280x720 / 720x576

## EXTERNAL RECORDING ONLY

Colour Sampling	YCC422*
	*Not available in 3840x2160 @ 50p, 3840x2160 Slow Motion or 1280x720 Slow Motion
Frame rates	50p / 25p
Bit Depth	8 bit @ 3840x2160, 10 bit @ 1920x1080
Resolution	3840x2160 1920x1080

## SLOW AND FAST MOTION RECORDING

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)

## PHOTO

Standard	DCF, Exif Ver2.3 compliant
Compression Format	JPEG
Resolution	Same as video mode

## RECORDING MEDIA

Speed	SD / SDHC / SDXC card 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

## SENSOR

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

## IMAGE PROCESSOR

Type	Dual DIGIC DV 6
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## LENS

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 Inner focus

Focus Adjustment	10mm at wide end, 60cm across range
Minimum Subject Distance	Switchable between Focus and Zoom
Lens Ring	Adjustable, Variable or Constant
Zoom Speed	58mm
Filter Diameter	Optional TL-U58 1.5x Teleconverter, Optional WA-U58 0.8x Wide Attachment
Lens Converters	Supplied

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
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## EXPOSURE CONTROL

Shooting Modes	Auto, P (program), Tv (shutter speed priority), Av (aperture priority), M (manual), SCN (scene) Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks
Scene Modes	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
Metering System	Highlight AE, Exposure lock +/-3 stop when locked, +/-2 stop in Auto. Half stop increments
Exposure Compensation	Yes
Exposure Compensation Amount	Yes, except in Auto, Fireworks, and Wide DR 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 in 1dB increments
Auto Backlight Compensation	Yes
Forced Backlight Compensation	1/2 to 1/2000 sec in M and Tv modes. Other modes vary to optimise scene
Auto Gain Control Limit	0-42dB (9-42dB in Wide DR) in 1dB increments. 70% or 100%

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%

## FOCUSING

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) 50 lux - 100,000 lux
AF Illumination Range	Auto, Large, Small, Touch
AF Frame Sizes	Up to 9 faces can be detected, one face or non-human subject can be tracked
Face Detection and Tracking	In manual focus, indicates focus direction for tracked objects
Focus Guide	Available
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

# TECHNICAL SPECIFICATIONS

# LEGRIA GX10

## VIEWFINDER

Angle Adjustment	Up to 45° upward
Screen Size	0.24" (0.61 cm)
Resolution	1.56 million dot equivalent
Eyesight Adjustment	+2 to -5 diopter
Field of View Coverage	100%
Eyecup	Supported
Brightness Adjustment	Available

## DISPLAY

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

## WHITE BALANCE

Type	FAWB
Modes	Auto, Daylight, Tungsten, Colour Temperature (K), User setting (x2)
Colour Temperature Range	2000K to 15,000K

## LOOKS

Types	Standard (300% DR), Wide DR (800% DR), Monochrome
Adjustments	Sharpness, Contrast (except Wide DR mode), Colour Depth (except Monochrome mode)

## AUDIO

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 Impedance	5kΩ
Input Sensitivity	-65dBV with mic, -30dBV with line (control at auto position, -12dB full scale)
Output Impedance	100 Ω
Output Signal level	-29dBV (with 16Ω load at maximum volume)

## NETWORKING

Wireless Bands	2.4GHz (IEEE 802.11b/g/n), 5GHz (IEEE 802.11a/n)* <small>*5GHz band is disabled in territories that do not support it</small>
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

Browser Remote FTP Transfer	
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## OTHER

Timecode Drop Frame	
Timecode Count-up systems	
Date and Time	
Camera Data Recording	

Remote Control	
Onscreen Markers	
Pre Rec	

Custom Key & Dial	
Colour Bars	
Test Tone	
Assignable Buttons	
Dual Recording	
Relay Recording	
GPS Receiver	

Power Saving Mode	
Software	
Shoe	
Tripod Mount	

## PLAYBACK

Fast Forward/Rewind	
Slow Forward/Rewind	
Single Frame Movement	
Rec Review	
Trimming	
Copy	

## OUTPUT TERMINALS

HDMI	
USB	
Remote	

## POWER

DC Input	
Built in Battery Charger	
Battery Type	
Intelligent Battery System	
Recording with BP-828 (supplied)	
Playback with BP-828 (supplied)	

## PHYSICAL SPECIFICATIONS

### Dimensions

### Weight

### Operating Environment

Auto (DHCP / AutoIP auto switching), Manual (IP address, subnet mask, default gateway, priority DNS server, substitute DNS server)	
With compatible iOS and Android devices	
Yes (movie only)	

### On or off

Regen, Rec Run, Free Run	
Selectable, World Clock support	
Shutter speed, aperture, gain, and others can be stored with recording	

In camera and playback modes	
Level, Grid, in white or grey	
Available, records 3 seconds before record button is pressed	

Tv, Av, M, AGC limit, Exposure Compensation	
EBU or SMPTE	
1KHz, -12/-18/-24dB selectable	
5	

### Yes

A to B or B to A	
Optional GP-E2 can add latitude, longitude, altitude to recordings and set clock to UTC	
Yes	

### Yes

Data Import Utility	
Cold shoe, Canon Mini Advanced Shoe	
1/4-20 UNC	

### Approx 5x, 15x, 50x

### Approx 0.25x, 0.5x

### Yes, single frame or single GOP

### Yes

### Yes, save as new or overwrite

### Between cards or to computer via USB

### Mini connector, function display and timecode on/off

### Hi-Speed USB Compliant mini-B

### 2.5mm Stereo Mini-Jack

### Yes

### Yes

### Lithium Ion

### Yes

### Up to 95 minutes

### Up to 240 minutes

### Approx 135 x 97 x 214mm (excluding grip belt)

### Approx 150 x 97 x 267 (including lens hood and battery, excluding grip belt)

### Approx 1140g (body only, including grip belt)

### Approx 1335g (including grip belt, lens hood, BP-828

### and 1 memory card)

### For performance: Approx 0 to 40°C,

### 85% relative humidity

### For operation: Approx -5 to 45°C 60% relative humidity



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