

LEGRIA HFR86

Create and share beautiful family movies with ease

Shooting and sharing family movies that look and sound superb is simple using this compact 57x Advanced Zoom camcorder with long life battery, great connectivity and powerful technologies that ensure stunning results.



- Enjoy stunning Full HD quality movies that automatically sound as good as they look with powerful DIGIC DV 4
- Get creative with slow and fast motion recording, Touch Decoration, Cinema-Look Filters and advanced Baby Mode
- Film comfortably for longer with light, compact design; simply point, shoot and share wirelessly with touchscreen control
- Capture steady versatile movies using 57x Advanced Zoom, Zoom Framing Assist and Intelligent Image Stabilizer
- Record for longer to the in-built 16GB storage on a single charge of the high-capacity battery

Product Range



LEGRIA HF R88



LEGRIA HF R86



LEGRIA HF R806

LEGRIA HF R88
LEGRIA HF R86
LEGRIA HF R806

Canon

Technical Specifications

VIDEO SYSTEM

Recording Formats	AVCHD/MP4 Simultaneous Recording Possible
Recording Medium	<ul style="list-style-type: none"> • 16GB built-in flash memory • SDXC / SDHC • Relay recording
Max Recording Time	Variable total, depending on memory card size ^[1] Internal memory: AVCHD mode, 3hrs ^[2] MP4 mode: 4hrs 20mins 64GB SDXC card (not supplied): AVCHD mode, 24hrs 30mins ^[2] MP4 Mode, 34hrs 45mins

SENSOR

Type	1/4.85 type full HD CMOS sensor
Total Pixels	3.28 megapixel
Effective Pixels: Movie	2.07 megapixels ^[1] ^[2]
Effective Pixels: Still	2.07 megapixels (16:9)
Filter	Bayer pattern filter

LENS

Advanced Zoom	57x
Optical Zoom	32x
Digital Zoom	1140x
Focal Length	2.8mm - 89.6mm
35mm Equivalent Focal Length	32.5mm - 1853mm / (38.5mm-1232mm: Advanced zoom off)
Maximum Aperture	f1.8 - f4.5
Minimum focusing distance	10mm
Image Stabilizer	Optical Image Stabilizer: Intelligent IS with Advanced Dynamic Mode
Wide Attachment Included	No
Lens Cover	Integrated

IMAGE PROCESSOR

Image Processor	DIGIC DV 4
Face Detection Technology	Yes

SCREEN

Screen size	7.5cm (3.0") Touchscreen LCD, 100% view
Vari-Angle	Yes
Pixels	230,000 dots
Touchscreen	Yes - capacitive type touch panel
Touch Focus	Yes
Manual adjustment	Brightness, backlight

WI-FI FUNCTION

Wi-Fi	Yes
NFC	Yes
Remote Control & Streaming	YES (monitor in/out of home) ¹ , Supports optional Pan Table CT-V1 accessory
Web Service	YES

BABY MODE

Baby Mode	YES - register up to 3 children
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EXTERNAL HDD STORAGE

Direct storage to external HDD	Yes
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MINIMUM ILLUMINATION

Minimum Lux.	4 lux
Night Mode	Low Light (0.4 lux)
Auto Gain Control Limit Adjustment	No

FOCUS

Auto/Manual Control	Yes / Yes Auto: • Face Detection AF • TV AF Manual: • Touchscreen LCD • Touch focus Yes (Magnification)
Manual Focus Assist	

CREATIVE FEATURES

Slow Motion Recording	1/2 speed
Fast Motion Recording	2x, 4x, 10x, 20x, 60x, 120x, 300x, 600x, 1200x
Fast Motion Conversion	Yes
Video Snapshot	Yes
Touch Decorations	Yes
Cinema-Look Filters	Yes

AE MODE

Smart Auto Program AE	Yes (38 Scenes) Auto
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M Mode:

P, Scn, (Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks)

Cinema Mode:

P
Baby Mode

BACKLIGHT COMPENSATION

Backlight Compensation	Yes (automatic or user control)
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WHITE BALANCE

Type	TTL
Auto	Yes
Set/Presets	Daylight, Tungsten

SHUTTER SPEED

Maximum	1/2000sec
Slow	1/2sec (low light mode)

DIGITAL EFFECT

Fade	Auto Fade, Wipe
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CUSTOM CONTROL

Custom Control	Yes (touch panel operations)
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Technical Specifications

STILL IMAGE

Capture Image Size
Simultaneous Photo Recording
Photo Button

1920x1080 (not cinema mode)
 Yes
 Touchscreen LCD

SELF TIMER

Self Timer

10 sec

RECORDING MODE

Recording Format
Recording Mode

MP4 and AVCHD
 Four AVCHD recording quality modes^[1] 2]
 50P: 1920 x 1080, 28Mbps;
 MXP 50i/PF25: 1920x1080, 24Mbps;
 FXP 50i/PF25: 1920x1080, 17Mbps;
 LP 50i/PF25: 1440x1080, 5Mbps
 Four MP4 quality recording modes^[1] 2]
 50p: 1920 x 1080, 35Mbps;
 25p: 1920 x 1080, 24Mbps,
 25p: 1920 x 1080, 17Mbps,
 25p: 1280 x 720, 4Mbps
 50p, 25p

Progressive Shooting Mode
Slow and Fast Motion Recording
Highlight Priority Mode
Video Snapshot
Pre REC

Yes, with flexible speed during record
 Yes, with backlight correction
 Yes
 Yes

SEARCH

Date

Yes

MEMORY CARD

Secure Digital Card
Movie Recording
Internal Data Transfer

SD / SDHC / SDXC
 Yes
 Yes, movie and stills (internal memory to card)

AUDIO

System

Dolby Digital 2ch
 AC3 2ch

Audio Scene Select
Zoom Microphone
Manual Rec. Level Control

Yes
 No
 Yes

TERMINAL

Headphone
Microphone
USB
AV
Component
HDMI
Built-in Charger
Tripod Mount

Yes
 No
 Yes (Mini-B, Hi-Speed USB - Output Only)
 Yes (output only)
 No
 YES (HDMI™ Mini Connector: output only)
 Yes
 Yes

SMART FEATURES

Framing Assist
Quick Start
File Lock

Yes, manual and automatic
 Yes (using LCD screen)
 Yes

BATTERY PACK

Type
Intelligent Battery System
Battery Included in the Kit
Max Recording Time
(Included Battery)^[1]

Lithium Ion
 Yes
 BP-727
 3hrs 15mins

DIMENSIONS

W x H x D
Weight

53 x 58 x 116
 240g

Footnotes

R series

Max Recording Time

* 4Mbps recording mode

¹ For both AVCHD and MP4, class 4 or higher-speed memory cards are recommended.

² When AVCHD/MP4 recording has continued for 12 hours, it will automatically stop and then start again automatically

Effective Pixels: Movie

¹ Advanced Zoom ON, 16:9 recording mode, wide end

² Image Stabilizer mode set to Standard or Off

Remote Control & Streaming

¹ Requires installation of CameraAccess Plus app. Supported OS: iOS 7, iOS 8, iOS 9, Android / 4.0 / 4.1 / 4.2/4.3/4.4/5.0/5.1 'Out of home' monitoring function requires UPnP WLAN router and global IP address. Functionality Not guaranteed on all devices

Recording mode

¹ For both AVCHD and MP4, class 4 or higher-speed memory cards are recommended.

² Variable bit rate used in all recording modes

Battery Pack

¹ Normal LCD brightness

Specifications are subject to change without notice

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Sales Start Date: January 2017



Product Details:

Product Name	Mercury Code	EAN Code
LEGRIA HF R86	1959C004AA	4549292088328

Optional Accessories:

Product Name	Mercury Code	EAN Code
Battery Pack BP-718	6055B002AA	4960999819990
Battery Pack BP-727	6056B002AA	4960999840024
Compact Power Adapter CA-110E	5072B003AA	4960999781402
Battery Charger CG-700	6057B003AA	4960999847719
CANON High Speed HDMI CABLE HTC-100	2384B001AA	4960999530383
USB Adapter UA-100	5684B001AA	4960999796253
Soft Case SC-2000	9389A001AA	4960999209852
Camera Pan table CT-V1	9626B002AA	4549292014440
Connect Station CS100 EU22	9899B007AA	8714574627731

Measurement / Logistic Information:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Net Weight (kg)	Gross Weight (kg)
LEGRIA HF R86	1959C004AA	EA	Each	1	175	140	129	0.60	0.80
		CT	Carton	6	406	299	214	4.80	5.72
		EP	Euro Pallet	108	1200	800	1220	n/a	166
			Layers per Pallet	5					
			Cartons per Layer	6					
			Products per layer	36					

What's in the box?

- Canon LEGRIA HF R86
- Compact Power Adapter CA-110E
- Battery Pack BP-727
- USB Cable
- Mini-HDMI Cable