

# LEGRIA HF G70

## BRING OUT THE FILMMAKER IN YOU

A 1/2.3-Type CMOS sensor 4K camcorder with 20x optical zoom, Advanced Hybrid AF and 5-axis stabilisation, plus USB-C output for UVC Livestreaming<sup>1</sup>.



- The Canon 4K sensor provides breathtaking imagery
- Features a powerful 20x 4K Zoom Lens
- Take creative control with scene mode features
- Fast precise focusing with face detection
- MP4 Recording
- HDMI Output, Custom picture menu and Audio scene select



Over Sampling  
HD Processing



### PRODUCT RANGE



Canon LEGRIA HF G70

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<sup>1</sup>Audio output through USB is not supported

# TECHNICAL SPECIFICATIONS

# LEGRIA HF G70

<b>CAMERA</b>		<b>SHOOTING FUNCTIONS</b>	
<b>IMAGE SENSOR</b>		<b>Shooting Modes</b>	
Sensor	1/2.3-type CMOS	AUTO mode M (Manual) mode P (program AE), Tv (shutter-priority AE), Av (aperture-priority AE), M (manual exposure), SCN (Portrait, Sports, Night Scene, Snow, Beach, Sunset, Low Light, Spotlight, Fireworks) IR mode C1: Normal (BT.709 Normal / BT.709) C2 to C6: USER02 to USER06 Neutral: accurate colour reproduction Video: Higher contrast colour reproduction Not Supported	
Filter	RGB Primary Colour Filter	<b>Custom Picture</b>	
Total pixels	Approx. 21.14MP	<b>Colour Matrix</b>	
Effective pixels	Approx. 8.29 MP (3840 x 2160)	<b>Infrared shooting mode</b>	
Subject illumination range	Approx. 0.3 lx to 100,000 lx	<b>EXPOSURE</b>	
Minimum illumination (PAL)	P (Program AE) Mode: Approx. 4.2 lx (shutter speed 1/25 sec with auto slow shutter On) Low Light Mode: Approx. 0.3 lx (shutter speed 1/2 sec.)	<b>Exposure metering</b>	
<b>IMAGE PROCESSOR</b>		Center-weighted average metering AUTO, P, Av, Tv, Portrait, Sports, Low Light and IR modes Segment evaluative metering Night Scene, Snow, Beach, Sunset, Spotlight modes No metering in Fireworks mode: Exposure constant Highlight AE, Normal, Exposure lock, Auto backlight compensation. Yes. Auto / Manual 0 - 23dB (1dB increments)	
Type	DIGIC DV 6	<b>Exposure compensation</b>	
Colour Sampling	YCC 4:2:0 8bit	<b>Exposure Lock</b> <b>Auto Gain Control setting</b> <b>Auto Gain Control limit</b>	
<b>LENS</b>		<b>SHUTTER SPEED</b>	
Zoom ratio	20 x optical	<b>Control modes</b>	
Focal length (35mm equivalent)	Approx. 29.3 - 601mm Standard IS/IS Off	<b>Shutter speed</b>	
Minimum focus distance	1 cm at wide end, 60 cm across entire zooming range	<b>Slow Shutter (SLS)</b>	
Aperture	f/1.8 - 2.8 (AV Priority and Manual Modes)	<b>Clear Scan</b>	
Aperture blades	8 blades	<b>WHITE BALANCE</b>	
Filter diameter	58mm	<b>Auto</b>	
Image stabilization system	Optical system (lens shift) + electronic stabilization Dynamic, Standard, Powered IS, Off Built-in gradation filter (Auto or Off)	<b>Preset</b>	
ND filter		<b>Manual setting</b>	
Zoom control	Zoom rockers on body and handle; Selectable manual zoom/focus ring on lens; Selectable High Speed and Soft Zoom modes available.	<b>Look settings</b>	
Zoom speed	Variable (body rocker only) or Constant speed (body and handle rocker; Fast/Normal/Slow, 16 speed level settings in each)	<b>AUDIO</b>	
Iris control	Touchscreen, Auto	<b>Recording</b>	
Digital zoom/Teleconverter	20x digital zoom (400x with optical zoom) and 40x digital zoom (800x with optical zoom) are available. Digital zoom not available in AUTO mode. 2x Digital Teleconverter	<b>Audio control</b>	
<b>FOCUS</b>		<b>Reference tone</b>	
Focus System	Hybrid AF (High Speed/Medium speed). Uses combination of TTL-video signal detection system and external phase difference metering system. Normal AF, TTL, Contrast based AF	<b>Microphone attenuation</b>	
Focus control	MANUAL: Lens ring and touchscreen point selection (Magnify and Peaking assist functions), Focus Preset. AUTOFOCUS: Touchscreen AF point selection, Face Detection and Tracking, Touch and Track, Face Only AF. (Instant AF, Medium AF, Normal AF)	<b>Microphone level meter</b>	
<b>RECORDING</b>		<b>SYSTEM</b>	
Video storage media	SD/SDHC/SDXC card (2 card slots)	<b>MONITORING PANEL</b>	
Recording time (64GB Card, approx.)	150Mbps: 55 mins / 35Mbps: 240 mins / 17Mbps: 495 mins	<b>Type</b>	
Recording file system	FAT32/exFAT	<b>Size</b>	
Internal recording format (PAL)	MP4: 3840x 2160 / 25.00P (150 Mbps) 1920x 1080 / 50.00P, 25.00P (35, 17 Mbps)	<b>Waveform Monitor</b>	
External output (PAL)	HDMI output (When Shooting): UHD recording mode: 1920 x 1080 / 25.00P, 50.00P (for Slow&Fast), 50.00i (PsF mode); 1280 x 720 / 50.00P YCC 4:2:2 8-bit Full HD recording mode: 1920 x 1080 50.00P/25.00P/50i; 1280 x 720 50.00P YCC4:2:2 10-bit	<b>Focus Assist</b>	
Time Code	Rec Run / Free Run	<b>Peaking</b>	
Slow/Fast motion (PAL)	3840x 2160 / 25.00P: x2, x4, x10, x20, x60, x120, x600, x1200 1920x 1080 / 50.00P: x2, x4, x10, x20, x60, x120, x600, x1200 1920x 1080 / 25.00P: x0.5	<b>Zebra</b>	
Pre Recording function	Yes, 3 seconds	<b>Markers</b>	
Still photos	JPEG up to 3840x2160 (Still image resolution is dependent on the video resolution)	<b>VIEWFINDER</b>	
Photo storage media	SD Card	<b>Size</b>	
		<b>Correction lens</b>	
		0.36-inch (0.92 cm on the diagonal), Approx. 1,770,000 dots (1024 x RGB x 576) +2.0 to -5.5 dioptre	



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# TECHNICAL SPECIFICATIONS

# LEGRIA HF G70

## INPUTS/OUTPUTS

<b>Audio input</b>	3.5mm microphone input jack (Supply Voltage 2.4V DC) Built-in Mic
<b>Headphone output</b>	3.5mm stereo mini jack
<b>HDMI output</b>	HDMI™ mini connector
<b>USB</b>	Type-C Hi-Speed USB (USB 2.0) equivalent. Point-to-point class and UVC supported.
<b>DC input</b>	USB-C
<b>Remote Control Terminal</b>	2.5mm mini jack

## WI-FI & GPS SPECIFICATIONS

<b>Wi-Fi</b>	No
<b>GPS Information (Optional Accessory)</b>	Location (Latitude/Longitude/Altitude), Coordinated Universal Time (UTC), Satellite reception. (requires the optional GPS Receiver GP-E2)

## MISCELLANEOUS

<b>Colour Bars (PAL)</b>	Yes, SMPTE, ARIB or EBU, with 1KHz Tone
<b>Accessory shoe</b>	Yes (cold shoe)
<b>Assignable buttons</b>	5 assignable Buttons
<b>Custom dial</b>	Iris/Shutter/Gain, AGC Limit, Exposure Compensation, Off

## ACCESSORIES

<b>Supplied</b>	Lens hood with barrier, Battery Pack BP-820, USB Power Adapter PD-E1, AC Cable
<b>Optional (Includes items not currently on sale)</b>	Canon Battery Pack BP-820/BP-828, Canon Battery Charger CG-800E/CG-800, Canon HDMI cable HTC- 100/HTC-100S, Canon Tele Converter TL-H58, Canon Wide Attachment WA-H58, Canon Shoulder Strap SS- 600/SS-650, Wrist Strap WS-20, Canon PROTECT Filter 58mm, Canon ND4-L Filter 58mm, Canon ND8-L Filter 58mm, Canon GPS Receiver GP-E2, Canon Remote Controller RC-V100, Canon Battery Video Light VL- 10Li/VL-10LiII, Canon Battery Pack BP-900 series (for VL-10Li/VL-10LiII), Canon Compact Power Adapter CA-910/920/930 (for charging BP-900 series), Canon Interface Cable IFC-300PCU/S / IFC-400PCU

## BATTERY

<b>Battery Pack</b>	Canon Battery Pack BP-820 (supplied), BP-828 (optional)
<b>Power Consumption (recording)</b>	UHD: MP4, 150Mbps 25.00P : Approx. 4.5W  Full HD: MP4, 35Mbps 50.00P : Approx. 4.6W
<b>Continuous Recording Time (approx.)</b>	UHD MP4: 150Mbps/25.00p: Max. 165 mins (BP-820), typical 95 mins / Max. 240 Mins, typical 140 mins (Optional BP-828)

## SIZE AND WEIGHT

<b>Dimensions</b>	Approx. 109 x 84 x 182 mm
<b>Weight (camera only)</b>	Approx 740g
<b>Operating temperature range</b>	0°C to +40°C, 85% relative humidity

## Disclaimers

All specifications are subject to change without notice  
Specification given for PAL Version



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Canon Inc.  
canon.com  
Canon Europe  
canon-europe.com  
English edition  
Canon Europa NV 2022

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A 1/2.3-Type CMOS 4K camcorder with 20x optical zoom, Advanced Hybrid AF and 5-axis stabilisation, plus USB-C output for UVC Livestreaming<sup>1</sup>.

Sale Start Date: October 2022 (TBD)



#### PRODUCT DETAILS:

Product Name	Mercury Code	EAN Code
Canon LEGRIA HF G70	5734C003AA	4549292202274

#### OPTIONAL ACCESSORIES:

Product Name	Mercury Code	EAN Code
Battery Pack BP-828(OTH)	8598B002AB	4960999984520
Battery Pack BP-820(OTH)	8597B002AB	4960999984490
Video Charger CG-800E	2590B003AB	4960999612188

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### MEASUREMENT / LOGISTIC INFORMATION:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (CM)	Width (CM)	Height (CM)	Gross Weight (KG)
Canon LEGRIA HF G70	5734C003AA	EA	Each	1	27.1	18.7	20.35	1.74
		CT	Carton	2	38.7	28.4	22.7	3.99
		EP	Euro Pallet	80	120	80	126.5	174.6
			Layers per Pallet	5				
			Cartons per Layer	8				
			Products per Layer	16				

### What's in the box?

- LEGRIA HF G70 EU BODY
- Lens Cap
- Lens hood with lens barrier
- USB Power Adapter PD-E1
- AC Cable
- BP-820 Battery Pack
- Printed Matter Unit
- Packaging

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