



# Clifton Cameras Product Specification

## GoPro Hero12 Black Full Spec

### **Dimensions (W x H x D) (mm)**

71.8 W x 50.8 H x 33.6 D (mm)

### **Weight**

154g (Camera w/mounting fingers + Battery) 121g (Without Battery)

### **Battery**

Removable 1720mAh Enduro Battery

### **Displays**

Rear: 2.27" Touch Display Front: 1.4" Color Display

### **Rugged + Waterproof**

10m (33ft) without Protective Housing. 60m(196ft) with Protective Housing.

### **Mounting**

Built-In Mounting with Folding Fingers ¼-20 Mount

### **Removable Water-repelling Cover Glass**

Yes

### **Memory Storage microSD**

1 microSD™ with at least V30 or higher UHS-3 rating

### **Connector**

USB-C

### **HDMI Port**

Media Mod (H9B/H10B/H11B/H12B)

### **Operating Temperature**

-10° C - 35° C



**System Processor**

GP2

**Image Sensor**

1/1.9" CMOS27.6 MP active pixels(5599x4927)

**Lens Aperture**

F2.5

**FOV**

156° in 8:7 aspect ratio

**35mm Equivalent Focal Length**

Min = 12mmMax = 39mm

**Video Resolutions & Frame Rates**

5.3K (8:7) 30/25/24 fps5.3K (16:9) 60/50/30/25/24 fps4K (8:7) 60/50/30/25/24 fps4K (9:16) 60/50/30/25/24K (16:9) 120/100/60/50/30/25/24 fps2.7K (4:3) 120/100/60/50 fps2.7K (16:9) 240/200 fps1080 (9:16) 60/50/30/251080p (16:9) 240/200/120/100/60/50/30/25/24 fps

**Video Stabilization**

HyperSmooth 6.0

**Aspect Ratio**

16:9 9:16 4:3 8:7

**HDR Video**

5.3K (16:9) 30/25/24 fps4K (8:7) 30/25/24 fps4K (16:9) 60/50/30/25/24 fps

**Digital Lenses**

HyperViewSuperViewWideLinearLinear + Horizon Lock / Leveling

**360 Horizon Lock & Horizon Leveling**

Lock: Linear + Horizon Lock LensLeveling: In-Camera (23-27\*) for 5.3K60; 4K120; 2.7K240; 1080p240Can apply in post using Quik App

**Video Compression Standard**

H.265 (HEVC)



**Color Video Bit Depth**

8-bit/10-bit (4K and higher)

**Maximum Video Bit Rate**

120Mbps

**Zoom (Video)**

Up to 2x

**Slo-Mo**

8x - 2.7K; 1080p/4x - 4K/2x - 5.3K

**Looping Video**

Yes

**HindSight**

Yes

**Scheduled Capture**

Yes

**Duration Capture**

Yes

**Live Streaming**

1080p/60 w/HyperSmooth 4.0 + 1080p/60 recording

**Webcam Mode**

up to 1080p/30

**Timecode Synchronization**

Yes

**Exposure Control**

Yes

**Exposure Value (EV Comp)**

2+/-



**Photo Modes**

Standard PhotoBurst PhotoNight Photo

**Max Photo Resolution**

27.13MP (5568x4872)

**Photo Frame-Grabs from Video**

24.69MP from (8:7) 5.3K Video21.16MP from (4:3) 5.3K Video15.87MP from (16:9) 5.3K Video

**Photo Output**

SuperPhoto, HDR, Standard, RAW

**Photo Formats**

.jpg.gpr (RAW)

**RAW Photo Capture**

27.13MP (5568x4872)

**Digital Lenses (single photo)**

WideLinear

**PowerPano**

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**Photo Timer**

3s, 10s

**Photo Intervals**

0.5s, 1s, 2s, 3s, 5s, 10s, 30s, 60s, 120s

**Exposure Control**

Yes

**Burst Photo Rates (Frames / Second)**

Auto, 60/10, 60/6, 30/6, 30/3, 10/3, 30/1, 10/1, 5/1, 3/1

**Night Photo Shutter Speed**

Auto, 2, 5, 10, 15, 20, 30 sec.



Includes TimeWarp, Star Trails, Light Painting and more.

**TimeWarp Video**

TimeWarp 3.0 (up to 5.3K)

**TimeWarp Video Speeds**

Auto, 2x, 5x, 10x, 15x, 30x

**Star Trails**

Yes

**Light Painting**

Yes

**Vehicle Light Trails**

Yes

**Time Lapse Video Aspect Ratio**

16:98:7

**Time Lapse Video Resolution**

Up to 5.3K

**Time Lapse Intervals (Video & Photo)**

0.5, 1, 2, 3, 5, 10, 30, 60 sec.; 2, 5, 30, 60 min.

**Night Lapse Video Aspect Ratio**

16:98:7

**Night Lapse Video Resolution**

Up to 5.3K

**Night Lapse Intervals (Video & Photo)**

Auto, 4, 5, 10, 15, 20, 30, 60 sec.; 2, 5, 30, 60 min.

**Night Lapse Shutter Speeds (Video & Photo)**

Auto, 2, 5, 10, 15, 20, 30 sec.



3-mics | 3.5mm Audio Mic Input with Media Mod for HERO12 Black or Pro 3.5 Mic Adapter (Sold Separately) | RAW Audio Capture (.wav Format) | Wireless Audio

**Microphones**

3-mics

**Stereo Audio**

Yes

**Advanced Noise Reduction**

3-mic Processing

**RAW Audio Capture**

WAV Format

**3.5 Audio Mic Input**

Media Mod (H9B/H10B/H11B) Pro 3.5mm Mic Adapter

**Wireless Audio**

Support AirPods and other bluetooth headsets

Uploads Automatically to the Cloud + Get a Highlight Video Automatically with GoPro Subscription | Wi-Fi + Bluetooth®

**Wi-Fi Frequency**

2.4GHZ; 5GHz

**Wi-Fi Protocol**

802.11 a/b/g/n/ac

**Bluetooth**

BLE 4.2

**USB Port**

USB-C

**Mobile App Connection**

Quik App

**Auto Upload to Cloud**



w/GoPro Subscription

**Protune**

Yes

**Presets / Custom Presets**

Yes

**Languages (Camera UI)**

12 Languages

**Languages Available (Camera UI)**

EN, FR, DE, IT, SP, CN-S, CN-T, JP, KR, PT, RU, SW

**Voice Control**

14 Commands 11 Languages with 6 accents

**Advanced Metadata**

Yes

**Eco-system Support**

Quik App GoPro Labs Open GoPro

**Mod Compatibility**

Media Mod (H9B/H10B/H11B) Max Lens Mod & Max Lens Mod 2.0 Max Lens Mod 2.0, Volta, Media Mod, The Remote, and over 40 other accessories

**Max Lens Mod 2.0**

Widest FOV 177° in Max HyperView Resolution up to 4K/60 Max HyperSmooth

**Remote Control**

The Remote Waterproof Shutter Remote Volta Quik App

**Compatible Housing / Accessories**

Protective Housing (H9B/H10B/H11B/H12B)