



Camera Comparison Chart



HERO 12
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Photo				
Megapixels (MP)	27MP	27MP		16.6MP Spherical, 5.5MP HERO Mode Photo
Photo Frame Grabs from Video	24.7MP from 5.3K 8:7 Video	24.7MP from 5.3K 8:7 Video	24.7MP from 5.3K 8:7 Video	HERO Mode: 2.8MP from 4:3 Video
SuperPhoto	With HDR	With HDR		
Burst Rates (Frames/Sec)	Auto, 60/10, 60/6, 30/6, 30/3, 10/3, 30/1, 10/1, 5/1, 3/1	Auto, 60/10, 60/6, 30/6, 30/3, 10/3, 30/1, 10/1, 5/1, 3/1		
Photo Intervals	0.5, 1s, 2s, 3s, 5s, 10s, 30s, 60s, 120s			
Night Photo	✓	✓		
PowerPano				270° / 6.2MP Photo
RAW Photo Capture	✓	✓		
Exposure Control	✓	✓		✓
Time Lapse Photo Intervals	0.5, 1, 2, 5, 10, 30, 60 Seconds; 2, 5, 30, 60 Minutes	0.5, 1, 2, 5, 10, 30, 60 Seconds; 2, 5, 30, 60 Minutes		0.5, 1, 2, 5, 10, 30, 60 Seconds
Night Lapse Photo Intervals	Auto, 4, 5, 10, 15, 20, 30, 60 Seconds; 2, 5, 30, 60 Minutes	Auto, 4, 5, 10, 15, 20, 30, 60 Seconds; 2, 5, 30, 60 Minutes		
Video				
Top Video Modes	5.3K60 / 4K120 5.3K30 8:7 / 4K60 8:7	5.3K60 / 4K120 5.3K30 8:7 / 4K60 8:7	5.3K60 / 4K120 5.3K30 8:7 / 4K60 8:7	Spherical: 5.6K30 / 3K60 HERO Mode: 1080p / 1440p
Aspect Ratio	16:9, 4:3, 8:7, 9:16	16:9, 4:3, 8:7	16:9, 4:3, 8:7	16:9, 4:3
Digital Lenses	HyperView, SuperView, Wide, Linear, Linear + Horizon Lock	HyperView, SuperView, Wide, Linear, Linear + Horizon Lock	HyperView, SuperView, Wide, Linear, Linear + Horizon Lock	Max SuperView, Wide, Linear, Narrow
Video Stabilization	HyperSmooth 6.0	HyperSmooth 5.0	HyperSmooth 5.0	Max HyperSmooth
Horizon Lock	360° Rotation, up to 5.3K30, 4K60, and 2.7K120	360° Rotation, up to 5.3K30, 4K60, and 2.7K120	360° Rotation, up to 5.3K30, 4K60, and 2.7K120	360° Rotation, All Digital Lenses
Horizon Leveling	Up to 27°, 5.3K60, 4K120, 2.7K240, and 1080/240	Up to 27°, 5.3K60, 4K120, 2.7K240, and 1080/240	Up to 27°, 5.3K60, 4K120, 2.7K240, and 1080/240	
Video File Format	H.265 (HEVC)	H.265 (HEVC)	H.265 (HEVC)	H.264 (AVC) H.265 (HEVC)
Color Video Bit Depth	8-Bit, 10-Bit, Log Video	8-Bit, 10-Bit	8-Bit, 10-Bit	8-Bit
HDR Video	5.3K (16:9) 30, 25, 24 fps 4K (8:7) 30, 25, 24 fps 4K (16:9) 60, 50, 30, 25, 24 fps			
Maximum Video Bit Rate	Up to 120Mbps (5.3K / 4K)	Up to 120Mbps (5.3K / 4K)	Up to 120Mbps (5.3K / 4K)	60Mbps (5.6K) / 78Mbps (1440p)
Touch Zoom	Up to 2x	Up to 2x		
Slo-Mo	8x @ 2.7K	8x @ 2.7K	8x @ 2.7K	2x



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Video (continued)				
Looping Video	✓	✓	✓	
TimeWarp Video	TimeWarp 3.0 (up to 5.3K) Auto, 2x, 5x, 10x, 15x, 30x	TimeWarp 3.0 (up to 5.3K) Auto, 2x, 5x, 10x, 15x, 30x	TimeWarp 3.0 (up to 5.3K) Auto, 2x, 5x, 10x, 15x, 30x	Max TimeWarp (1440p or 1080p) Auto, 2x, 5x, 10x, 15x, 30x
Time Lapse Video Intervals	0.5, 1, 2, 5, 10, 30, 60 Seconds; 2, 5, 30, 60 Minutes	0.5, 1, 2, 5, 10, 30, 60 Seconds; 2, 5, 30, 60 Minutes	0.5, 1, 2, 5, 10, 30, 60 Seconds; 2, 5, 30, 60 Minutes	0.5, 1, 2, 5, 10, 30, 60 Seconds
Night Effects	Star Trails, Light Painting, Vehicle Light Trails	Star Trails, Light Painting, Vehicle Light Trails	Star Trails, Light Painting, Vehicle Light Trails	
Night Lapse Video Intervals	Auto, 4, 5, 10, 15, 20, 30, 60 Seconds; 2, 5, 30, 60 Minutes	Auto, 4, 5, 10, 15, 20, 30, 60 Seconds; 2, 5, 30, 60 Minutes	Auto, 4, 5, 10, 15, 20, 30, 60 Seconds; 2, 5, 30, 60 Minutes	
HindSight	✓	✓		
Scheduled Capture	✓	✓		
Duration Capture	✓	✓		
Live Streaming	1080p	1080p	1080p	1080p
Webcam Mode	✓	✓		
Reframe				With the Quik App
Protune	✓	✓	With the Quik App	✓
Advanced Metadata	✓	✓	✓	HERO Mode Only
8:7 Video Settings				
5.3K Wide	30, 25, 24 fps	30, 25, 24 fps	30, 25, 24 fps	
4K Wide	60, 50, 30, 25, 24 fps	60, 50 fps	60, 50 fps	
16:9 Video Settings				
5.3K HyperView	30, 25, 24 fps	30, 25, 24 fps	30, 25, 24 fps	
5.3K SuperView	60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	
5.3K Wide	60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	
5.3K Linear	60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	
5.3K Linear + Horizon Lock	30, 25, 24 fps	30, 25, 24 fps	30, 25, 24 fps	
5.3K Linear + Horizon Leveling	60, 50 fps	60, 50 fps	60, 50 fps	



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16:9 Video Settings (continued)

4K HyperView	60, 50, 30, 25, 24 fps	60, 50 fps	60, 50 fps	
4K SuperView	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	
4K Wide	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	
4K Linear	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	
4K Linear + Horizon Lock	60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	
4K Linear + Horizon Leveling	120, 100 fps	120, 100 fps	120, 100 fps	
2.7K SuperView		240, 200, 120, 100, 60, 50 fps	120, 100, 60, 50 fps	
2.7K Wide	240, 200 fps	240, 200, 120, 100, 60, 50 fps	240, 200, 120, 100, 60, 50 fps	
2.7K Linear	240, 200 fps	240, 200, 120, 100, 60, 50 fps	240, 200, 120, 100, 60, 50 fps	
2.7K Linear + Horizon Lock		120, 100, 60, 50 fps	120, 100, 60, 50 fps	
2.7K Linear + Horizon Leveling	240, 200 fps	240, 200 fps	240, 200 fps	
1080p Max SuperView				60, 50, 30, 25, 24 fps
1080p SuperView	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	
1080p Wide	240, 200, 120, 100, 60, 50, 30, 25, 24 fps	240, 200, 120, 100, 60, 50, 30, 25, 24 fps	240, 200, 120, 100, 60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps
1080p Linear	240, 200, 120, 100, 60, 50, 30, 25, 24 fps	240, 200, 120, 100, 60, 50, 30, 25, 24 fps	240, 200, 120, 100, 60, 50, 30, 25, 24 fps	60, 30, 24 fps
1080p Linear + Horizon Lock	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	120, 100, 60, 50, 30, 25, 24 fps	
1080p Linear + Horizon Leveling	240, 200 fps	240, 200 fps	240, 200 fps	
1080p Narrow				60, 50, 30, 25, 24 fps

4:3 Video Settings

5.3K Wide		30, 25, 24 fps	30, 25, 24 fps	
5.3K Linear		30, 25, 24 fps	30, 25, 24 fps	
5.3K Linear + Horizon Lock		30, 25, 24 fps	30, 25, 24 fps	
4K Wide		60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	
4K Linear		60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	



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4:3 Video Settings (continued)

4K Linear + Horizon Lock		60, 50, 30, 25, 24 fps	60, 50, 30, 25, 24 fps	
2.7K Wide	120, 100, 60, 50 fps	120, 100, 60, 50 fps	120, 100, 60, 50 fps	
2.7K Linear	120, 100, 60, 50 fps	120, 100, 60, 50 fps	120, 100, 60, 50 fps	
2.7K Linear + Horizon Lock	120, 100, 60, 50 fps	120, 100, 60, 50 fps	120, 100, 60, 50 fps	
1440p Max SuperView				60, 50, 30, 25, 24 fps
1440p Wide				60, 50, 30, 25, 24 fps
1440p Linear				60, 50, 30, 25, 24 fps
1440p Narrow				60, 50, 30, 25, 24 fps

9:16 Video Settings

4K Wide	60, 50, 30, 25 fps			
1080p Wide	60, 50, 30, 25 fps			

Audio Features

Microphones	3	3	3	6
Advanced Noise Reduction	3-Mic Processing	3-Mic Processing	3-Mic Processing	6-Mic Processing
Stereo Audio	✓	✓		Premium Performance
360 Audio				✓
RAW Audio Capture		✓	✓	HERO Mode Only
Wireless Audio	✓			
3.5mm Audio Mic In	With Media Mod ¹ or Pro 3.5mm Mic Adapter ¹	With Media Mod ¹ or Pro 3.5mm Mic Adapter ¹		

Connected Features

Wi-Fi + Bluetooth®	✓	✓	✓	✓
Connects to the Quik App	✓	✓	✓	✓
Auto-Upload to the Cloud ²	✓	✓	✓	✓



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Connected Features (continued)

GPS		✓		✓
USB-C Offload to Mobile	✓	✓	✓	
HDMI Port	With Media Mod ¹	With Media Mod ¹		

Other Features

Presets/Custom Presets	✓	✓		
Customizable On-Screen Shortcuts	✓	✓		✓
Timecode Sync	✓			
Voice Control	✓	✓	✓	✓

Design + Dimensions

Processor	GP2	GP2	GP2	GP1
Dimensions	71.8 W x 50.8 H x 33.6 D (mm)	71.8 W x 50.8 H x 33.6 D (mm)	52.4 W x 51.2 H x 38.0 D (mm)	64.0 W x 69.0 H x 25.0 D (mm)
Weight (Camera + Mounting Fingers + Battery)	154g	154g	133g	154g
Battery	Removable 1720mAh Enduro Lithium-Ion Rechargeable	Removable 1720mAh Enduro Lithium-Ion Rechargeable	Embedded 1500mAh Enduro Lithium-Ion Rechargeable	Removable 1600mAh Lithium-Ion Rechargeable
Front Screen	1.4" Color LCD	1.4" Color LCD		
Rear Touch Screen	2.27" Color LCD	2.27" Color LCD		1.69" Touch LCD
Rugged + Waterproof	33ft (10m)	33ft (10m)	33ft (10m)	16ft (5m)
Mounting Fingers	1 Set	1 Set	2 Sets	1 Set
Integrated 1/4-20 Mounting Threads	✓			
USB Port	USB-C	USB-C	USB-C	USB-C
Memory Storage	MicroSD Card With at Least V30 or UHS-3 Rating	MicroSD Card With at Least V30 or UHS-3 Rating	MicroSD Card With at Least V30 or UHS-3 Rating	MicroSD Card With at Least Class 10 or UHS-1 Rating
LEDs	2	2	1	2
Mods Expandability (Sold Separately)	Max Lens Mod 2.0, Max Lens Mod, Media Mod, Display Mod, Light Mod	Max Lens Mod, Media Mod, Display Mod, Light Mod	Max Lens Mod	
Compatible Housing (Sold Separately)	Protective Housing	Protective Housing		

¹ Sold Separately