

# Camera Comparison Chart



HERO **8** BLACK



HERO **9** BLACK



HERO **10** BLACK



**MAX**

Key Features				
Photo	12MP	20MP	23MP	16.6MP 360 Photo / 5.5MP HERO Mode Photo
LiveBurst	•	•	•	
PowerPano				6.2MP Panoramic Photo
SuperPhoto	With HDR	With HDR	With HDR	
Video	4K60	5K30 / 4K60	5.3K60 / 4K120	HERO Mode 1440p60 / 1080p60
100Mbps Bit Rate	2.7K / 4K	2.7K / 4K / 5K	2.7K / 4K / 5.3K	With the Quik App
Spherical Video				5.6K30 / 3K60
Reframe				With the Quik App
Battery	Removable 1220mAh Lithium-Ion	Removable 1720mAh Lithium-Ion	Removable 1720mAh Lithium-Ion	Removable 1600mAh Lithium-Ion
Rugged + Waterproof	Down to 33ft (10m)	Down to 33ft (10m)	Down to 33ft (10m)	Down to 16ft (5m)
Frameless Mounting With Folding Fingers	•	•	•	•
Mods Expandability	Media Mod (HERO8 Black)*, Display Mod, Light Mod	Max Lens Mod, Media Mod (HERO10 Black / HERO9 Black)*, Display Mod, Light Mod	Max Lens Mod, Media Mod (HERO10 Black / HERO9 Black)*, Display Mod, Light Mod	
Front Screen	Status Only	Status + Live Preview	Status + Live Preview	Touch Screen Can be Front or Rear Facing
Rear Touch Screen	•	•	•	Touch Screen Can be Front or Rear Facing
Touch Zoom	•	•	•	
Video Stabilization	HyperSmooth 2.0	HyperSmooth 3.0	HyperSmooth 4.0	Max HyperSmooth
Horizon Leveling	With the Quik App	On Camera + With the Quik App	On Camera + With the Quik App	
Horizon Lock		With Max Lens Mod	With Max Lens Mod	On Camera + With the Quik App
HindSight		•	•	
Scheduled Capture		•	•	
Duration Capture		•	•	
TimeWarp Video	TimeWarp 2.0	TimeWarp 3.0	TimeWarp 3.0	Max TimeWarp

\*Sold Separately



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Key Features				
Digital Lenses / FOV	SuperView, Wide, Linear, Narrow	SuperView, Wide, Linear, Linear + Horizon Leveling, Narrow	SuperView, Wide, Linear, Linear + Horizon Leveling, Narrow	Max SuperView, Wide, Linear, Narrow
RAW Photo Capture	All Photo Modes	All Photo Modes	All Photo Modes	
Settings Presets / Custom Presets	•	•	•	
Customizable On-Screen Shortcuts	•	•	•	•
Voice Control	•	•	•	•
Wake on Voice	•	•	•	•
Time Lapse Video	•	•	•	
Night Lapse Video	•	•	•	•
Slo-Mo	8x at 1080p	8x at 1080p	8x at 2.7K	2x at 3K (Spherical) + 1080p (HERO mode)
Live Streaming	1080p	1080p	1080p	1080p
Webcam Mode	•	•	•	
GPS Data Overlays	•	•	•	•
Advanced Metadata	•	•	•	HERO Mode Only
Protune	•	•	•	•
Compatible Housing	Protective Housing (HERO8 Black)*	Protective Housing (HERO10 Black / HERO9 Black)*	Protective Housing (HERO10 Black / HERO9 Black)*	
Auto Cloud Backup With GoPro Subscription	•	•	•	•
Audio Features				
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
3.5mm Audio Mic In	With Media Mod (HERO8 Black)* or Pro 3.5mm Mic Adapter*	With Media Mod (HERO10 Black / HERO9 Black)* or Pro 3.5mm Mic Adapter*	With Media Mod (HERO10 Black / HERO9 Black)* or Pro 3.5mm Mic Adapter*	

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Connected Features			
Wi-Fi + Bluetooth®	•	•	•
Connects to the Quik App	•	•	•
Auto Upload to the Cloud	•	•	•
GPS	•	•	•
HDMI Port	With Media Mod (HERO8 Black)*	With Media Mod (HERO10 Black / HERO9 Black)*	With Media Mod (HERO10 Black / HERO9 Black)*
USB-C Offload to Mobile	•	•	•
Video			
Spherical Video			5.6K30
5.3K			Wide: 60, 30, 24 fps; Linear 60, 30, 24 fps; Linear + Horizon Leveling: 60, 30, 24 fps; Narrow 60, 30, 24 fps
5K (4:3)			Wide: 30, 24 fps; Linear 30, 24 fps; Linear + Horizon Leveling 30, 24 fps; Narrow 30, 24 fps
5K		Wide: 30, 24 fps; Linear: 30, 24 fps Linear + Horizon Leveling: 30, 24fps Narrow: 30, 24fps	
4K	SuperView: 30, 24 fps; Wide: 60, 30, 24 fps Linear: 60, 30, 24 fps	SuperView: 30, 24 fps; Wide: 60, 30, 24 fps Linear: 60, 30, 24 fps; Linear + Horizon Leveling: 60, 30, 24 fps Narrow: 60, 30, 24 fps	SuperView: 60, 30, 24 fps; Wide: 120, 60, 30, 24 fps, Linear: 120, 60, 30, 24 fps; Linear + Horizon Leveling: 120, 60, 30, 24 fps; Narrow: 120, 60, 30, 24 fps
4K (4:3)	Wide: 30, 24 fps	Wide: 30, 24 fps; Linear: 30, 24 fps Linear + Horizon Leveling: 30, 24 fps Narrow: 30, 24 fps	Wide: 60, 30, 24 fps, Linear: 60, 30, 24 fps; Linear + Horizon Leveling: 60, 30, 24 fps; Narrow: 60, 30, 24 fps
2.7K	SuperView: 60, 30, 24 fps; Wide: 120, 60, 30, 24 fps Linear: 60, 30, 24 fps; Narrow: 60, 30, 24 fps	SuperView: 120, 60 fps; Wide: 120, 60 fps Linear: 120, 60 fps; Linear + Horizon Leveling: 120, 60 fps Narrow: 120, 60 fps	SuperView: 120, 60 fps; Wide: 240, 120, 60 fps, Linear: 240, 120, 60 fps; Linear + Horizon Leveling: 240, 120, 60 fps; Narrow: 240, 120, 60 fps
2.7K (4:3)	Wide: 60, 30, 24 fps; Linear: 60, 30, 24 fps Narrow: 60, 30, 24 fps	Wide: 60 fps; Linear: 60 fps Linear + Horizon Leveling: 60 fps Narrow: 60 fps	Wide: 120, 60 fps, Linear: 120, 60 fps; Linear + Horizon Leveling: 120, 60 fps; Narrow: 120, 60 fps

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Video				
1440p	Wide: 120, 60, 30, 24 fps; Linear: 60, 30, 24 fps Narrow: 60, 30, 24 fps	Wide: 120, 60, 30, 24 fps; Linear: 120, 60, 30, 24 fps Linear + Horizon Leveling: 120, 60, 30, 24 fps Narrow: 120, 60, 30, 24 fps	SuperView: 120, 60, 30, 24 fps; Wide: 240, 120, 60, 30, 24 fps Linear: 240, 120, 60, 30, 24 fps Linear + HL: 240, 120, 60, 30, 24 fps Narrow: 240, 120, 60, 30, 24 fps	SuperView: 120, 60, 30, 24 fps; Wide: 240, 120, 60, 30, 24 fps Linear: 240, 120, 60, 30, 24 fps Linear + HL: 240, 120, 60, 30, 24 fps Narrow: 240, 120, 60, 30, 24 fps
1080p	SuperView: 120, 60, 30, 24 fps; Wide: 240, 120, 60, 30, 24 fps Linear: 120, 60, 30, 24 fps; Narrow: 60, 30, 24 fps	SuperView: 120, 60, 30, 24 fps; Wide: 240, 120, 60, 30, 24 fps Linear: 240, 120, 60, 30, 24 fps Linear + HL: 240, 120, 60, 30, 24 fps Narrow: 240, 120, 60, 30, 24 fps	SuperView: 120, 60, 30, 24 fps; Wide: 240, 120, 60, 30, 24 fps Linear: 240, 120, 60, 30, 24 fps Linear + HL: 240, 120, 60, 30, 24 fps Narrow: 240, 120, 60, 30, 24 fps	Max SuperView: 60, 30, 24 fps; Wide: 60, 30, 24 fps Linear: 60, 30, 24 fps; Narrow: 60, 30, 24 fps
TimeWarp Video Intervals	Auto, 2x, 5x, 10x, 15x, 30x	Auto, 2x, 5x, 10x, 15x, 30x	Auto, 2x, 5x, 10x, 15x, 30x	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
Video File Format	H.264 (AVC) + H.265 (HEVC)	H.264 (AVC) + H.265 (HEVC)	H.264 (AVC) + H.265 (HEVC)	H.264 (AVC) + H.265 (HEVC)
Maximum Video Bit Rate	100Mbps (2.7K / 4K)	100Mbps (2.7K / 4K / 5K)	100Mbps (2.7K / 4K / 5.3K)	100Mbps (5.6K)
Photo				
Megapixels	12MP	20MP	23MP	16.6MP 360 Photo / 5.5MP HERO Mode Photo
Burst Rates (Frames / Sec)	Auto, 60/10, 30/10, 60/6, 30/6, 30/3, 10/3, 30/1, 10/1, 5/1, 3/1	Auto, 30/10, 30/6, 30/3, 10/3, 25/1, 10/1, 5/1, 3/1	Auto, 30/10, 30/6, 30/3, 10/3, 25/1, 10/1, 5/1, 3/1	
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; 2, 5, 30, 60 minutes	HERO Mode: 0.5, 1, 2, 5, 10, 30, 60 seconds; 2, 5, 30, 60 minutes
Night Lapse Photo Intervals	Auto, 4, 5, 10, 15, 20 seconds; 1, 2, 5, 30, 60 minutes	Auto, 4, 5, 10, 15, 20 seconds; 1, 2, 5, 30, 60 minutes	Auto, 4, 5, 10, 15, 20 seconds; 1, 2, 5, 30, 60 minutes	
Continuous Photo Capture	•	•		•
SuperPhoto	With HDR	With HDR	With HDR	
RAW Photo Capture	All Photo Modes	All Photo Modes	All Photo Modes	
Exposure Control	•	•	•	•
Modes				
Photo	•	•	•	•
Burst Mode	•	•	•	
PowerPano				•
LiveBurst	•	•	•	
Night Photo	•	•	•	

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Modes				
Video	•	•	•	•
Looping	•	•	•	
Time Lapse Photo	•	•	•	•
Time Lapse Video	•	•	•	•
TimeWarp Video	TimeWarp 2.0	TimeWarp 3.0	TimeWarp 3.0	Max TimeWarp
Night Lapse Photo	•	•	•	
Night Lapse Video	•	•	•	•
Slo-Mo	8x at 1080p	8x at 1080p	8x at 2.7K	2x at 3K (Spherical) + 1080p (HERO mode)
Photo Timer	•	•	•	•
Short Clips	•	Duration Capture	Duration Capture	•
Design + Dimensions				
Dimensions	66.3 W x 48.6 H x 28.4 D (mm)	71.0 W x 55.0 H x 33.6 D (mm)	71.0 W x 55.0 H x 33.6 D (mm)	64W x 69H x24 D (mm)
Weight (Camera + Battery)	126g	158g	153g	154g
Front Screen	Black + White (Status Only)	Color LCD With Live Preview	Color LCD With Live Preview	Touch Screen can be Front or Rear Facing
Touch Screen	1.95" Diagonal	2.27" Diagonal	2.27" Diagonal	1.69 Diagonal
Processor	GP1	GP1	GP2	GP1
HDMI Port	With Media Mod (HERO8 Black)*	With Media Mod (HERO10 Black / HERO9 Black)*	With Media Mod (HERO10 Black / HERO9 Black)*	
USB Port	USB-C	USB-C	USB-C	USB-C
Memory Storage	microSD with at least Class 10 or UHS-I Rating	microSD with at least Class 10 or UHS-I Rating	microSD with at least V30 or UHS-3 Rating	microSD with at least Class 10 or UHS-I Rating
Microphones	3	3	3	6
LEDs	2	2	2	2
Battery	Removable 1220mAh Lithium-Ion Rechargeable	Removable 1720mAh Lithium-Ion Rechargeable	Removable 1720mAh Lithium-Ion Rechargeable	Removable 1600mAh Lithium-Ion Rechargeable

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