# Clifton Cameras Product Specification

## Panasonic LUMIX DMC-G7 Camera Full Spec

### Specifications

|  |  |
| --- | --- |
| **Body type** | SLR-style mirrorless |
| **Sensor** |
| **Max resolution** | 4592 x 3448 |
| **Other resolutions** | 4592 x 3448, 3232 x 2424, 2272 x 1704, 1824 x 1368 |
| **Image ratio w:h** | 1:1, 4:3, 3:2, 16:9 |
| **Effective pixels** | 16 megapixels |
| **Sensor photo detectors** | 17 megapixels |
| **Sensor size** | Four Thirds (17.3 x 13 mm) |
| **Sensor type** | CMOS |
| **Color space** | sRGB, Adobe RGB |
| **Color filter array** | Primary color filter |
| **Image** |
| **ISO** | Auto, 160, 200, 400, 800, 1600, 3200, 6400, 12800, 25600 |
| **White balance presets** | 5 |
| **Custom white balance** | Yes (2) |
| **Image stabilization** | Unknown |
| **Uncompressed format** | RAW |
| **File format** | * RAW
* RAW + Fine
* RAW + Standard
* JPEG Fine
* JPEG Standard
* MPO + Fine
* MPO + Standard (with 3D lens in Micro Four Thirds System standard)
 |
| **Optics & Focus** |
| **Autofocus** | * Contrast Detect (sensor)
* Multi-area
* Selective single-point
* Tracking
* Single
* Continuous
* Touch
* Face Detection
* Live View
 |
| **Autofocus assist lamp** | Yes |
| **Digital zoom** | No (2x, 4x) |
| **Manual focus** | Yes |
| **Number of focus points** | 49 |
| **Lens mount** | Micro Four Thirds |
| **Focal length multiplier** | 2× |
| **Screen / viewfinder** |
| **Articulated LCD** | Fully articulated |
| **Screen size** | 3″ |
| **Screen dots** | 1,040,000 |
| **Touch screen** | Yes |
| **Screen type** | TFT Color LCD with wide-viewing angle |
| **Live view** | Yes |
| **Viewfinder type** | Electronic |
| **Viewfinder coverage** | 100% |
| **Viewfinder magnification** | 1.4× |
| **Viewfinder resolution** | 2,360,000 |
| **Photography features** |
| **Minimum shutter speed** | 60 sec |
| **Maximum shutter speed** | 1/16000 sec |
| **Exposure modes** | * Program
* Aperture Priority
* Shutter Priority
* Manual
 |
| **Scene modes** | * Clear Portrait
* Silky Skin
* Backlit Softness
* Clear in Backlight
* Relaxing Tone
* Sweet Child's Face
* Distinct Scenery
* Bright Blue Sky
* Romantic Sunset Glow
* Vivid Sunset Glow
* Glistening Water
* Clear Nightscape
* Cool Night Sky
* Warm Glowing Nightscape
* Artistic Nightscape
* Glittering Illuminations
* Clear Night Portrait
* Soft Image of a Flower
* Appetizing Food
* Cute Dessert
* Freeze Animal Motion
* Clear Sports Shot
* Monochrome
 |
| **Built-in flash** | Yes (Pop-up) |
| **Flash range** | 9.30 m |
| **External flash** | Yes (Hot-shoe) |
| **Flash modes** | Auto, On, Off, Red-Eye, Slow Sync |
| **Flash X sync speed** | 1/160 sec |
| **Continuous drive** | 7.0 fps |
| **Self-timer** | Yes (2 or 10 sec, 10 sec (3 images)) |
| **Metering modes** | * Multi
* Center-weighted
* Spot
 |
| **Exposure compensation** | ±5 (at 1/3 EV steps) |
| **AE Bracketing** | ±3 (3, 5, 7 frames at 1/3 EV, 2/3 EV, 1 EV steps) |
| **WB Bracketing** | Yes (3 frames in either blue/amber or magenta/green axis) |
| **Videography features** |
| **Resolutions** | 3840 x 2160 (30, 25, 24, 20fps) 1920 x 1080 (60, 50, 30, 25fps) 1280 x 720 (60, 50, 30, 25fps), 640 x 480 (30, 25fps |
| **Format** | MPEG-4, AVCHD |
| **Videography notes** | 1920 x 1080, 60p, 50p (sensor output is 60p, 50p) (PSH: 28Mbps) ; 1920 × 1080, 60i,50i (sensor output is 60p 30p, 50p, 25p) (FSH: 17Mbps) ; 1920 x 1080, 30p,25p (sensor output is 60p, 25p) (FPH: 17Mbps, 24Mbps) ; 1280 x 720, 60p, 50p (sensor output is 60p, 25p) (SH: 17Mbps) |
| **Microphone** | Stereo |
| **Speaker** | Mono |
| **Storage** |
| **Storage types** | SD/SDHC/SDXC |
| **Connectivity** |
| **USB** | USB 2.0 (480 Mbit/sec) |
| **HDMI** | Yes (microHDMI TypeD) |
| **Microphone port** | Yes |
| **Wireless** | Built-In |
| **Physical** |
| **Environmentally sealed** | No |
| **Battery** | Battery Pack |
| **Battery description** | Lithium-Ion rechargeable battery & charger |
| **Battery Life (CIPA)** | 350 |
| **Weight (inc. batteries)** | 410 g (0.90 lb / 14.46 oz) |
| **Dimensions** | 125 x 86 x 77 mm (4.92 x 3.39 x 3.03″) |
| **Other features** |
| **Orientation sensor** | Yes |
| **GPS** | None |

The "AVCHD" is a high definition (HD) digital video recording / playback format jointly established by Panasonic Corporation and Sony Corporation.

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