



Full HD Camcorder with 50x Stabilized Optical Zoom and Touch-Enabled LCD HC-V180K HC-V180K

- **SENSOR SECTION**
 - *SENSOR FOR MAIN CAMERA*
 - Image Sensor 1/5.8-inch BSI MOS Sensor
 - Total Pixels 2.51 megapixels
 - *Effective Pixels*
 - Motion Image 2.20 megapixels [16:9] (O.I.S. Standard Mode, Level Shot Function OFF)
 - Still Image 1.67 megapixels [3:2]
 - 2.20 megapixels [16:9]
 - 1.70 megapixels [4:3]

- **SENSOR FOR SUB CAMERA**
 - Image Sensor –
 - Total Pixels –

- **LENS SECTION**
 - *LENS FOR MAIN CAMERA*
 - F Value F1.8 (WIDE) / F4.2 (TELE)
 - Optical Zoom 50x
 - Focal Length 2.06 - 103 mm
 - 35 mm Film Camera Equivalent
 - Motion Image (16:9) 28.0 - 1740 mm [16:9](O.I.S. Standard Mode, Level Shot Function: OFF)
 - Still Image 33.6 - 1714 mm [3:2]
 - 28.0 - 1740 mm [16:9]
 - 34.0 - 1766 mm [4:3]
 - Filter Diameter –
 - Lens Brand Panasonic Lens

- **LENS FOR SUB CAMERA**

- **F Value –**
 - **Focal Length –**
 - **35 mm Film**
 - *Camera Equivalent*
 - **Motion Image –**
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- **CAMERA SECTION**

- **Standard Illumination 1400 lx**
 - **Minimum Illumination 4 lx (Scene Mode Low Light 1/30), 1 lx (Night Mode (Color))**
 - **Focus Auto / Manual**
 - *Zoom*
 - **Intelligent Zoom OFF 62 x (O.I.S. Standard Mode, Level Shot Function: OFF)**
 - **Intelligent Zoom ON 90 x (O.I.S. Standard Mode, Level Shot Function: OFF)**
 - **Digital Zoom 150 x / 500 x (The maximum value of zoom magnification can be set in two patterns)**
 - **White Balance Auto/White Set/Sunny/Cloudy/Indoor1/Indoor2 (TTL system)**
 - *Shutter Speed*
 - **Motion Image Auto Slow Shutter ON : 1/30 - 1/8000**
 - **Auto Slow Shutter OFF : 1/60 - 1/8000**
 - **Still Image 1/2 - 1/2000**
 - **Iris Auto / Manual**
 - **Image Stabilizer HYBRID O.I.S.+ with Active Mode, O.I.S. Lock, Level Shot Function**
 - **HDR Movie (Except 4K Mode) –**
 - **Creative Control (Except 4K Mode) Miniature Effect, Silent Movie, 8mm Movie, Time Lapse Rec**
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- **RECORDING SECTION**

- **Recording Media SD/SDHC/SDXC Memory Card**
- **Recording Format [AVCHD] AVCHD Progressive**
- **[iFrame / MP4] MP4**
- **Compression Method MPEG-4 AVC/H.264**
- *Recording/ Playback Mode*
- **AVCHD 1080/60p (28Mbps / VBR), (1920 x 1080/60p)**
- **PH (24Mbps / VBR), (1920 x 1080/60i)**
- **HA (17Mbps / VBR), (1920 x 1080/60i)**
- **HG (13Mbps / VBR), (1920 x 1080/60i)**

- HE (5Mbps / VBR), (1920 x 1080/60i)
 - MP4 1080p/60p(28M) (28Mbps / VBR), (1920 x 1080)
 - 720p/30p(9M) (9Mbps / VBR), (1280 x 720)
 - iFrame 960 x 540/30p (28Mbps / VBR)
 - Actual Recordable Time with Supplied Battery Approx. 1 h 0 min (60p mode)
 - Approx. 1 h 5 min (PH mode)
 - Approx. 1 h 5 min (HA mode)
 - Approx. 1 h 5 min (HG mode)
 - Approx. 1 h 5 min (HE mode)
 - Approx. 1 h 0 min (MP4 28M)
 - Approx.1 h 15 min (MP4 720p)
 - Approx. 1h 20 min (iFrame)
 - Thumbnail Display 20 thumbnails/page, 9 thumbnails/page, 1 thumbnail/page
 - Audio Recording System AVCHD: Dolby Digital (2ch)
 - iFrame, MP4: AAC (2ch)
 - Microphone 2ch Stereo, Zoom Microphone
 - Speaker Dynamic type
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• STILL IMAGE SECTION

- *Recording Format*
 - Recording Image Size JPEG (DCF/Exif2.2)
 - Still Image [16:9] 10 megapixels (4224 x 2376), 2.1 megapixels (1920 x 1080)
 - [3:2] 7.7 megapixels (3408 x 2272), 2.0 megapixels (1728 x 1152)
 - [4:3] 7.4 megapixels (3136 x 2352), 0.3 megapixels (640 x 480)
 - Simultaneous Recording [16:9] 2.1 megapixels (1920 x 1080)
 - Flash –
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• GENERAL SECTION

- Power Supply 3.6V (Battery) / 5.0V (AC Adaptor)
- Power Consumption Max. 4.7W (Recording) / Max. 7.7W (Charging)
- Dimensions (W x H x D) Approx. 53 x 59 x 116 mm (2.087 x 2.323 x 4.567 inch)
- Weight (w/o battery and SD card) Approx. 211g (0.465lb)
- LCD Monitor 2.7-inch Wide LCD monitor (230,400 dots)
- Touch Panel Yes
- View Finder –

- Manual Ring / Dial –
 - *Interface*
 - AV Yes
 - HDMI Yes (mini)
 - Microphone (stereo mini) –
 - Headphone (stereo mini) –
 - USB 2.0 Hi-Speed
 - USB Charge Yes
 - LED Video Light –
 - Accessory Shoe –
 - Lens Cover Yes (Manual)
 - On-Screen Display Language Please refer to "OSD" sheet
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- **Wi-Fi**

- Standard –
 - Frequency –
 - NFC –
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- **STANDARD ACCESSORY**

- AC Adaptor Yes
 - AC Cable –
 - DC Cable Yes (USB Type)
 - Rechargeable Battery Pack Yes (1,940mAh)
 - Battery Charger –
 - IR Remote –
 - HDMI Cable Yes (mini)
 - AV Multi Cable –
 - AV Cable –
 - Shoe adaptor –
 - Lens Hood –
 - USB Cable Yes
 - Editing Software HD Writer LE 3.0 (Download)
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