

Clifton Cameras Product Specification

Panasonic HC-V770EB High Definition Video Camera

Specifications

SENSOR FOR MAIN CAMERA

Image Sensor	1/2.3 type (1/2.3") BSI MOS Sensor
Total Pixels	12.76 megapixels
Effective Pixels (Motion Image)	6.03 megapixels [16:9] (Level Shot Function OFF or Normal)
Effective Pixels (Still Image)	5.21 megapixels [3:2]/6.03 megapixels [16:9]/4.72 megapixels [4:3]

SENSOR FOR SUB CAMERA

Image Sensor	-
Total Pixels	-

LENS FOR MAIN CAMERA

F Value	F1.8 (WIDE) / F3.6 (TELE)
Optical Zoom	20x
Focal Length	4.08 – 81.6 mm
35 mm Film Camera Equivalent (Motion Image)	29.5 – 612 mm [16:9] (Level Shot Function OFF or Normal)
35 mm Film Camera Equivalent (Still Image)	33.5 – 669.9 mm [3:2]/29.5 – 612 mm [16:9]/36.2 – 724.6 mm [4:3]
Filter Diameter	49 mm
Lens Brand	Panasonic Lens

LENS FOR SUB CAMERA

F Value	-
Focal Length	-
35 mm Film Camera Equivalent (Motion Image)	-

CAMERA SECTION

Standard Illumination	1400 lx
Minimum Illumination.	2 lx (Scene Mode Low Light 1/25), 1 lx (Night Mode (Color)), 0 lx (Night Mode (IR))
Focus	Auto / Manual
Zoom	Intelligent Zoom OFF 20x Intelligent Zoom ON 50x
Digital Zoom	60x / 1500x (The maximum value of zoom magnification can be set in two patterns)
White Balance	Auto / White Set / Sunny / Cloudy / Indoor1 / Indoor2
Shutter Speed	Motion Image [50p / 50i]/Auto Slow Shutter ON : 1/25 – 1/8000/Auto Slow Shutter OFF : 1/50 – 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
Creative Control	Miniature Effect, Silent Movie, 8mm Movie, Time Lapse Rec

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	1080/50p (28Mbps / VBR), (1920 x 1080/50p)/PH (24Mbps / VBR), (1920 x 1080/50i)/HA (17Mbps / VBR), (1920 x 1080/50i)/HG (13Mbps / VBR), (1920 x 1080/50i)/HE (5Mbps / VBR), (1920 x 1080/50i)/MP4/2160p(72M) (72Mbps / VBR), (3840 x 2160/25p)/MP4/1080p(50M) (50Mbps / VBR), (1920 x 1080/50p)/MP4/1080p(28M) (28Mbps / VBR), (1920 x 1080/50p)/MP4/720p(9M) (9Mbps / VBR), (1280 x 720/25p)/iFrame (28Mbps / VBR), (960 x 540/25p)
Actual Recordable Time with Supplied Battery	Approx. 55 min (50p mode)/Approx. 55 min (PH mode)/Approx. 55 min (HA mode)/Approx. 55 min (HG mode)/Approx. 55 min (HE mode)/Approx. 50 min (MP4 50M)/Approx. 55 min (MP4 28M)/Approx. 1 h 00 min (MP4 720p)/Approx. 1 h 00 min (iFrame)* Twin Camera OFF
Thumbnail Display	20 thumbnails/page, 9 thumbnails/page, 1 thumbnail/page
Audio Recording System	AVCHD: Dolby Digital (5.1ch / 2ch)/iFrame, MP4: AAC (2ch)
Microphone	5.1ch Surround, Zoom, Focus and Stereo Microphone
Speaker	Dynamic type

STILL IMAGE SECTION

Recording Format	JPEG (DCF/Exif2.2)
Recording Image Size.	Still Image [16:9] 24megapixels (6528 x 3672), 12.6 megapixels (4736 x 2664), 2.1 megapixels (1920 x 1080)/[3:2] 20 megapixels (5472 x 3648), 10.6 megapixels (3984 x 2656)14%, 2.0 megapixels (1728 x 1152)/[4:3] 18 megapixels (4896 x 3672), 8 megapixels (3264 x 2448), 0.3 megapixels (640 x 480)
	Simultaneous Recording [16:9] 12.6 megapixels (4736 x 2664), 2.1 megapixels (1920 x 1080)
Flash	-

GENERAL SECTION

Power Supply	3.6V (Battery) / 5.0V (AC Adaptor)
Power Consumption	Max. 6.7W (Recording) / Max. 7.7W (Charging)
Dimensions (W x H x D)	Approx. 65 x 73 x 139 mm (2.559 x 2.874 x 5.472 inch)
Weight (w/o battery and SD card)	Approx. 353g (0.778 lb)
LCD Monitor	7.5cm (3") Wide LCD monitor (460,800 dots)
Touch Panel	Yes
View Finder	-
Manual Ring / Dial	Yes (Dial)



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AV	Yes
HDMI	Yes (micro)
Microphones (stereo mini)	Yes
Headphone (stereo mini)	Yes
USB	2.0 Hi-Speed
USB Charge	Yes
LED Video Light	Yes
Accessory Shoe	Yes (cold)
Lens Cover	Yes (Auto)
Language	English, German, French, Italian, Spanish, Polish, Czech, Netherlandic, Turkish, Swedish
Wi-Fi	Standard IEEE 802.11b/g/n
Frequency	2.4GHz band
NFC	Yes

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 (micro)
AV Multi Cable	–
AV Cable	–
Shoe adaptor	Yes
Lens Hood	–
USB Cable	Yes
Editing Software	HD Writer AE 5.2 (Download)