	LEGRIA HF R78
Video System	
Recording Formats	AVCHD/MP4
	Simultaneous Recording Possible
Recording Medium	16GB built-in flash memory
	SDXC / SDHC
	Relay recording
Max Recording Time	Variable total, depending on memory card size[1]
	Internal memory: AVCHD mode, 3hrs[2]
	MP4 mode: 4hrs 20mins
	64GB SDXC card (not supplied): AVCHD mode, 24hrs 30mins[2]
	MP4 Mode, 34hrs 45mins
Sensor	
Type	1/4.85" CMOS
Total Pixels	3.28 megapixel
Effective Pixels: Movie	2.07 megapixels[3/4]
Effective Pixels: Still	2.07 megapixels (16:9)
Filter	Bayer pattern filter
Lens	
Advanced Zoom	57x
Optical Zoom	32x
Digital Zoom	1140x
Focal Length	2.8mm - 89.6mm
35mm Equivalent Focal Length	32.5mm - 1853mm / (38.5mm-1232mm: Advanced zoom off)
Maximum Aperture	f1.8 - f4.5
Minimum focusing distance	10mm
Image Stabilizer	Optical Image Stabiliser: Intelligent IS with Advanced Dynamic Mode
Wide Attachment Included	Yes
Lens Cover	Integrated
Image Processor	
Image Processor	DIGIC DV 4
Face Detection Technology	Yes
Screen	
Screen size	7.5cm (3.0") Touchscreen LCD, 100% view
Vari-Angle	Yes
Pixels	230,000 dots
Touchscreen	Yes - capacitive type touch panel
Touch Focus	Yes
Manual adjustment	Brightness, backlight
Wi-Fi Function	
NFC	Yes
Remote Control & Streaming	Yes (monitor in/out of home)[5], Supports optional Pan Table CT-V1 accessory
Movie Uploader	Yes[6]
Playback via browser	Yes[7]
Media Server	Yes - device must be DLNA supported
Web Service	Yes
Baby Mode	
Baby Mode	Yes - register up to 3 children
External HDD Storage	
Direct storage to external HDD	Yes
Minimum Illumination	
Minimum Lux.	4 lux
Night Mode	Low Light (0.4 lux)
Auto Gain Control Limit Adjustment	No
Focus	
Auto/Manual	Yes / Yes
Control	Auto:
	Face Detection AF
	TV AF
	Manual:
	Touchscreen LCD
	Touch focus
Manual Focus Assist	Yes (Magnification)
Creative Features	
Slow Motion Recording	1/2 speed
Fast Motion Recording	2x, 4x, 10x, 20x, 60x, 120x, 1200x
Fast Motion Conversion	Yes
Touch Decorations	Yes
Cinema-Look Filters	Yes
AE Mode	
Smart Auto	Yes (38 Scenes)

Program AE		
		Auto
		M Mode:
		P, Scn, (Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks)
		Cinema Mode:
		P
		Baby Mode

Backlight Compensation
Backlight Compensation		Yes (automatic or user control)

White Balance
Type		TTL
Auto		Yes
Set/Preset		Daylight, Tungsten

Shutter Speed
Maximum		1/2000sec
Slow		1/2sec

Digital Effect
Fade		Auto Fade, Wipe
Effect		No

Image Quality Adjustment
Image Effects		Standard, Highlight Priority

Custom Control
Custom Control		Yes (touch panel operations)

Still Image
Capture Image Size		1920x1080 (not cinema mode)
Simulaneous Photo Recording		Yes
Photo Button		Touchscreen LCD

Self Timer
Self Timer		10 sec

Recording Mode
Recording Format		MP4 and AVCHD
Recording Mode		Four AVCHD recording quality modes[8/9]
		50P: 1920 x 1080, 28Mbps;
		MXP 50i/PF25: 1920x1080, 24Mbps;
		FXP 50i/PF25: 1920x1080, 17Mbps;
		LP 50i/PF25: 1440x1080, 5Mbps
		Four MP4 quality recording modes[8/9]
		50p: 1920 x 1080, 35Mbps;
		25p: 1920 x 1080, 24Mbps,
		25p: 1920 x 1080, 17Mbps,
		25p: 1280 x 720, 4Mbps
Progressive Shooting Mode		50p, 25p
Slow and Fast Motion Recording		Yes
Video Snapshot		Yes
Pre REC		Yes

Search
Date		Yes

Memory Card
Secure Digital Card		SD / SDHC / SDXC
Movie Recording		Yes
Internal Data Transfer		Yes, movie and stills (internal memory to card)

Audio
System		Dolby Digital 2ch
		AC3 2ch
Audio Scene Select		Yes
Zoom Microphone		No
Manual Rec. Level Control		Yes

Terminal
Headphone		Yes
Microphone		No
USB		Yes (Mini-B, Hi-Speed USB - Output Only)
AV		Yes (output only)
Component		No
HDMI		Yes (HDMI™ Mini Connector: output only)
Built-in Charger		Yes
Tripod Mount		Yes

Smart Features
Framing Assist		Yes
Quick Start		Yes (using LCD screen)
File Lock		Yes

Battery Pack
Type		Lithium Ion
Intelligent Battery System		Yes
Battery Included in the Kit		BP-727
Max Recording Time (Included Battery)		2hrs 55mins

Dimensions
W x H x D		53 x 58 x 116
Weight		240g

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.
Subject to change without notice.

[1] For both AVCHD and MP4, class 4 or higher-speed memory cards are recommended.

[2] When AVCHD/MP4 recording has continued for 12 hours, it will automatically stop and then start again automatically
[3] Advanced Zoom ON, 16:9 recording mode, wide end
[4] Image Stabiliser mode set to Standard or Off

[5] Requires installation of CameraAccess Plus app. Supported OS: iOS 7,iOS 8 iOS 9, Android / 4.0 / 4.1 /4.2/4.3/4.4/5.0/5.1 'Out of home' monitoring function requires UPnP WLAN router and global IP address. Functionality Not guaranteed on all devices
Movie Uploader

[6] Requires installation of MovieUploader app. Supported OS: iOS 6,iOS 7, iOS 8. Functionality Not guaranteed on all devices

[7] Supported OS: iOS5,iOS6,iOS7,iOS8 Android 2.3/ 3.2/ 4.0/ 4.1/ 4.2. Web browser must support HTML5. Functionality Not guaranteed on all devices
[8] For both AVCHD and MP4, class 4 or higher-speed memory cards are recommended.
[9] Variable bit rate used in all recording modes
*: 4Mbps MP4 recording mode
**: Normal LCD brightness and optional long life BP