Video System	
Recording Medium	Removeable memory card (SD/SDHC)
Max Recording Time	Variable total, depending on memory card size[5] 32Gb SDHC card: 12hrs 15mins[1]

CCD	
Type	1/4 type CMOS
Total pixels	3.89 megapixel
Effective Pixels: Movie	2.99 megapixels
Effective Pixels: Still	3.31 megapixels (4:3 mode)
Filter	RGB Primary Colour Filter

Lens	
Advanced Zoom	18x
Optical Zoom	15x
Digital Zoom	300x
Digital Tele-converter	NO
Focal length	4.1-61.5mm
35mm Equivalent Focal Length	MOVIE: Approx 39.5-711 mm STILL: Approx 39.5-592.5 mm
Maximum aperture	f1.8 to f3.2
Minimum focusing distance	10mm
Image Stabilizer	Dynamic Optical Image Stabilizer; Powered Optical Image Stabilizer mode
Filter diameter	37mm
Wide Attachment	YES (optional WD-H37 II)

Image Processor	
Image Processor	DIGIC DV III
Face Detection Technology	YES

LCD	
Screen size	6.8cm (2.7") widescreen Multiangle Vivid LCD
Pixels	211,000 pixels
Touch-screen LCD	YES
Manual adjustment	Brightness, backlight
Temporary Underscan	NO

Viewfinder	
Screen size	N/A
Pixels	N/A

Minimum illumination	
Minimum Lux.	Approx. 0.4 lux (Low Light Mode)
Night Mode	YES
Auto Gain Control limit adjustment	YES

Focus	
Auto/Manual	YES / YES
Control	AUTO: Face Priority AF/Instant AF/TV AF MANUAL: Touch panel
Manual Focus Assist	YES (Magnification, Face Assist)

AE Mode	
Smart AUTO	YES (31 scene)
Program AE	16 AUTO, P, Av, Tv, CINE, Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks, Underwater, Surface
Zebra	NO

Backlight Compensation	
Backlight Compensation	YES

White balance	
Type	TTL
Auto	YES
Set/Preset	YES (Daylight, Shade, Cloudy, Tungsten, Fluorescent, Fluorescent H)

Shutter speed	
Maximum	1/2000th sec.
Slow	1/2 sec.

Digital Effect	
Fade	Auto Fade , Wipe
Effect	Black & White, Sepia

Image Quality Adjustment	
Image Effects	Vivid, Neutral, Low Sharpening, Soft, Skin Detail, Custom
Custom Functions	Brightness, Contrast, Sharpness, Colour Depth

Custom Key	
Custom Key	NO

Still Image	
Capture image size	2304 x 1296, 2100 x 1575, 1600 x 1200, 848 x 480, 640 x 480
Continuous shooting mode	YES (Normal and High-speed)
Auto Exposure Bracketing	YES
Simultaneous Photo Recording	YES
Selecting AF Frame Function	YES
Histogram	YES
Photo Button	YES
Photo Burst	YES

Self timer	
Self timer	10 sec 2 sec with wireless remote

Recording mode	
LP mode	5 recording quality modes.[6] MXP: 1920x1080, 24Mbps;[5] FXP: 1920x1080, 17Mbps;[5] XP+: 1440x1080, 12Mbps; SP: 1440x1080, 7Mbps; LP: 1440x1080, 5Mbps
Extended Recording mode (ELP mode)	-
Progressive shooting mode	YES (25p)
CINE image mode	YES
x.v.Color	YES
Video Snapshot	YES
Dual Shot	YES
Pre REC	YES
Colour Bars and Test Tone	NO

Search	
Still image	NO
Date	YES (date select, calendar, timeline, Face Timeline, Face Jump, 3D Flip)

Memory Card	
Multi Media Card	NO
Secure Digital Card	SD / SDHC
Movie Recording	YES
Internal Data Transfer	NO

Audio	
System	Dolby Digital 2ch (AC-3 2ch); 5.1ch surround sound (via Optional SM-V1 microphone)
Manual Rec. level control	YES
Audio Dubbing	NO

Terminal	
Headphone	YES
Microphone	NO
USB	YES (USB 2.0 Hi Speed Out)
DV	NO
Direct Print	YES
Analogue-in	NO
AV	YES
S-video	NO
Component	YES
HDMI	YES (HDMI™ Mini Connector: v1.3, CEC supported)
LANC	YES (optional RA-V1 adaptor)
Built-in charger	YES
Quick Start	
Quick Start	YES (using LCD screen)
Accessory shoe	
Accessory shoe	YES (mini Advanced Accessory Shoe)
Built-in Video light	
Built-in Video light	YES (white LED)
Built-in Flash	
Built-in Flash	YES
PC Connection kit	
Digital Video Solution Disk	YES (v34)
Application software	YES (PIXELA ImageMixer™ 3 SE, Music Transfer utility)
USB cable	YES
Web	
Easy Web Upload	YES
HD->SD conversion	NO
Wireless controller	
Wireless controller	YES
Battery Pack	
Type	Lithium Ion
Intelligent Battery System	YES
Battery included in the kit	BP-808
Max recording time (included battery)	1hr 40mins
Quick Charge	NO
Long life Battery	BP-827
Longer recording time[2]	5hr 10mins
Dimensions	
W x H x D	68 x 60 x 123mm
Weight	Approx. 320g

Disclaimers:

[1] **LP recording mode**

[2] **Using EVF (normal LCD brightness if no EVF) and optional long life BP**

[5] **Class 4 or higher SDHC card required for 1920x1080 recording; Class 2 or higher SDHC card recommended for other recording modes; Memory card not supplied**

[6] **Variable bit rate used in all recording modes**

[7] **Recording for more than 13 hours continuously is not possible**

Specifications are subject to change without notice.