	Canon HD Camcorder XF200
Image Sensor	
Sensor	1/2.84 type HD CMOS Pro
Filter	RGB Primary Colour filter (Bayer array)
Total pixels	3.09 megapixels (2208 x 1398)
Effective pixels per sensor	2.91 megapixels (2136 x 1362)
Lens	
Zoom ratio	20 x Optical
Focal length	3.67 - 73.4mm (35mm equivalent: 28.8 - 576mm)[1]
Minimum focus distance	60cm (throughout zoom range); 10mm (Wide MACRO setting)
ND filter	Built-in gradation ND filter
Zoom control	Zoom rockers on body and handle; Selectable manual zoom/focus ring on lens; Selectable High Speed and Soft Zoom modes available.
Zoom speed	Zoom Rocker: Variable speed/Fixed speed (Fast/Normal/Slow, 16 speed level settings available in each mode); Grip zoom: Fixed speed (Fast/Normal/Slow, 16 speed level settings available in each mode)
Focus control	Manual control via focus ring, automatic (Instant AF, Medium AF, TV AF, Face Detection AF, Face Only AF), Push AF
Iris control	Ring control; Custom dial control; Full Auto
Aperture range	f1.8 - f16
Filter diameter	58mm
Lens elements/groups	12/10
Aperture blades	8 Blade Circular Aperture
Image stabilization system	Dynamic IS and Powered IS, 5 Axis image stabilisation
Digital zoom/Teleconverter	1.5x; 3x; 6x
Image Processor	
Type	DIGIC DV 4
Recording	
Video storage media	Type 1 Compact Flash memory cards (2 card slots); Double slot (simultaneous) recording possible.
Type	CF card Type 1 only, SD card Class 4 or higher
Recording time	128GB CF card: Up to 320ins (1080/50i @ 50 Mbps) 128GB SD Card: up to 8 Hours MP4/50P @35Mbps)
Recording file format	Material eXchange Format (MXF) to CF card, MP4 to SD card
Recording format	MPEG-2 Long GOP 50Mbps CBR (4:2:2) MPEG-2 422P@HL; 35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 MP4: MPEG-4/AVC/H.264 35/24/17/9/3 Mbps; All modes variable bit rate, 4:2:0 colour sampling
Recording frame rate (PAL Mode)	MXF 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1440 x 1080/50i; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p MP4: 35/24Mbps 1920 x 1080: 50P/25P 17Mbps 1280 x 720: 50P 9 Mbps 1280 x 720: 25P

Slow/Fast motion	YES (MXF recording only) 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps
Interval Record	YES MXF recording only. 2, 6 or 12 frames, 25 time intervals
Frame Record	YES. 2, 6 or 12 frames
Pre Record (cache record)	YES (3 seconds)
Scan Reverse	YES. Vertical/horizontal/both
Photo storage media	SD/SDHC/SDXC memory card
Still quality	During video recording: 1920 x 1080 in 1920 x 1080 or 1440 x 1080 mode, 1280 x 720; 1280 x 720 mode During playback: 1920x1080
System	
PANEL	
Type	Capacitive Organic LED
Size	8.77cm (3.5") Organic EL (OLED)
Dots	1.23m (approx. equivelent)
Image quality adjustments	Brightness, contrast, colour, sharpness,
Adjustable	Yes
Waveform Monitor	Yes, selectable on/off; Line, Line and Spot,Field, RGB, YPbPr
Focus Assist	Peaking; Magnifying; Edge Monitor (using waveform display)
Peaking	Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each)
Zebra	Level 1; Level 2; Both Output via HDMI
Markers	On/Off (Aspect ratio, Safe area, Grid, Horizontal, Centre)
EVF	
Size	1.15cm (0.45 in)
Dots	1.23m (approx. equivelent)
Image quality adjustments	Brightness, contrast, colour, backlight
Adjustable	Vertical tilt, up to 68°
Viewing Angle	28.2º
Correction lens	+ 2.0 to -5.5 diopter
Inputs/Outputs	
Audio in	XLR inputs with 48V phantom power (x2), 3.5mm microphone input jack
Headphone output	3.5mm stereo jack
Video monitor output	NO
HDMI	YES (HDMI^{TM} mini connector, output only, 1080/50p output possible)
IEEE 1394 (Firewire)	NO
USB	YES (Mini-B, USB 2.0 Hi-Speed, output only)
3G-HD/SD-SDI output	NO
Time code	NO
Genlock	NO
LAN	YES, Ethernet (1000BASE-T supported)
AV terminal	3.5mm mini jack (output only for video and audio)
DC input	YES
Remote Control Terminal	2.5mm mini jack
Colour Bars	YES (SMPTE or EBU), with 1KHz Tone
Misc	
Tally lamp	YES (x2)
Accessory shoe	YES (cold shoe)
Custom Button Assignment	YES (13 assignable buttons; select from 28 functions)

Rotating Side Grip	Yes. 120° angle of rotation in 15º increments
Custom Dial	NO
Shooting functions	
Exposure	
Exposure metering	Standard (centre weighted), Spotlight, Backlight
Exposure compensation	-2 to +2 EV
Auto Exposure mode	Full Auto
Push Auto Iris	No
Auto Gain Control setting	Full Auto/AGC Limit/Manual
Auto Gain Control limit	3dB, 0dB, 3dB, 6dB, 9dB,12dB,15dB,18dB, 21dB,24dB, 27dB,33dB
Gain setting	-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB / 24dB / 27dB /33dB / TUNE (0.5 dB increments from 0 to 27 dB) .27dB maximum in Auto mode
Shutter speed	
Control Modes	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)
Shutter speed	1/18 to 1/2000 depending on frame rate
Shutter Angle	11.25º to 360º depending on frame rate
Slow Shutter (SLS)	1/3, 1/6, 1/12, 1/25 (depending on frame rate)
Clear Scan	50i/p: 50 to 250.51Hz; 25p: 25 to 250.51Hz
Infrared	
Infrared shooting mode	YES (green or white)
Built-in IR lamp	YES
Custom Picture	
Stored Configurations	9 (Including Wide DR)
Storage Medium	SD/SDHC memory card
Gamma	6 preset profiles
Master Pedestal	-50 to +50
Master Black	-50 to +50 for each of R,G,B
Black Gamma	Adjustable height, width and apex
Low Key Saturation	-50 to +50 adjusts colour saturation in low brightness area
Knee	Adjusts over exposure characteristic (Automatic, Slope, Point, Saturation)
Sharpness	Adjustment for Detail level, Detail frequency, Coring, HV balance, Detail limit, Knee Aperture, Level Depend, Ingredient Ratio
Noise reduction	Off, Automatic, On (1 to 12)
Skin detail	Effect Level (Low, Middle, High), Hue, Chroma, Area, Y Level
Selective Noise Reduction	Effect Level (Low, Middle, High), Hue, Chroma, Area, Y Level
Colour matrix	Normal 1 -4, Cine 1 - 2, Wide DR Matrix and Hue -18 - +18, Colour Gain -50 - +50
White balance	-50 to +50 white balance offset for R,G,B
Colour correction	Area selection / area revision of two areas
Setup level	-50 to +50 On/Off
Clip 100% IRE	Limits output to 100% after setup adjustment
Wireless LAN standards	IEEE 802.11b/g/n (2.4GHz band) / IEEE 802.11a/n (5GHz band)[2]
Supported Wi-Fi Functions	Rec start/stop, 3 speed focus control, 3 speed zoom control, WB mode/adjust, Iris, Shutter,Colour Temperature,Assign Button,ND Auto/Off
Supported Browser for Remote Ope	Internet Explorer 8 or later, Safari (iOS), Safari (MacOS), Android standard browser
Remote Operation Control Features	Aperture, Focus, WB, shutter Speed, Gain, Exposure Compensation, Shooting Mode, Slot select, Start/Stop Recording
Live view image Resolution	Camera setting mode: 680 x 383; Simplified setting: 284 x 160

Authentication Systems	Open/WPA-PSK/WPA2-PSK
Encryption	WEP64, WEP128, TKIP, AES
GPS Information (Optional Access	Latitude/Longtitude/Elevation, Coordinated Universal Time (UTC)
White balance	
Auto	YES in Full Auto Mode
Preset	A, B, Preset (Daylight, Tungsten), Colour Temperature
Time code	
Countup system	Regen, RecRun, FreeRun, External, Hold
Start value setting	"00:00:00:00", Set/Reset selectable
Audio	
Recording	16-bit 4ch or 2ch (48 kHz) linear PCM
Control	Audio limiter, Auto/manual settings via control cials on handle
Microphone attenuation	YES
Microphone level meter	YES
Accessories	
Supplied	Battery pack BP-955, DC cable DC-930, Compact power adapter CA-930, Wireless controller WL-D6000, Eyecup, Lens Hood with Barrier, Microphone Holder Unit, Mains Cable.
Optional	Wide Converter WA-H58, Teleconverter TL-H58, BP-975, Tripod Adapter TA-100, Zoom Remote Control ZR-2000, Tripod Base TB-1, GPS Receiver GP-E2, Remote Controller RC-V100, Filter (58mm) Protect/ND8xL/ND4xL.
Miscellaneous	
Dimensions	Approx 160 x 201 x 353mm (including lens hood with barrier, Eye Cup and microphone holder)
Operating Temperature range	-5ºC to +45ºC, 60% relative humidity

Footnotes:

1 26.8mm - 576mm when wide view angle option selected.

2 Wi-Fi standard will depend on availability and country of purchase

All specifications are subject to change without notice