














Professional camcorders

4K CAM**CONNECTED CAM™****ProHD**

												
	GY-LS300CHE	GY-HM250E/250ESB	GY-HM170E/180E	GY-HC900CHE/RCHE	GY-HC500E/550E	GY-HM890E/CHE	GY-HM850RE/RCHE	GY-HM660RE	GY-HM620E	JY-HM360	GY-HM70E	
	4KCAM Super 35mm handheld camcorder with live streaming	4K handheld camcorders with SDI/graphics and live streaming	Handheld 4K camcorders, with 3G-SDI (GY-HM180)	HD ENG/studio camcorder with 3x 2/3" sensors & live streaming	Handheld 4K camcorders with 1" sensor and live streaming	HD ENG/studio camcorders with live streaming	Shoulder-mounted HD ENG camcorder with live streaming	Handheld HD ENG camcorder with live streaming	Handheld HD ENG camcorder	Handheld HD events camcorder	Shoulder-mounted HD events camcorder	
IP capability	Live streaming / FTP / remote	Live streaming / FTP / remote	—	Live streaming / FTP / remote / return over IP	Live streaming / FTP / remote / return over IP	Live streaming / FTP / remote / IFB	Live streaming / FTP / remote / IFB	Live streaming / FTP / remote / IFB	—	—	—	
Image sensor	Super 35 CMOS 13.5MP (x1)	1/2.3" CMOS 12.4MP (x1)	1/2.3" CMOS 12.4MP (x1)	2/3" CMOS 2.2MP (x3)	1" CMOS sensor (x1)	1/3" CMOS 2.2MP (x3)	1/3" CMOS 2.2MP (x3)	1/3" CMOS 2.2MP (x3)	1/3" CMOS 2.2MP (x3)	1/2.3" CMOS 18.9MP (x1)	1/2.3" CMOS 12MP (x1)	
Lens / mount	Micro four thirds mount (E model only)	Integrated 12x lens	Integrated 12x lens	2/3" B4 mount system (E model only)	Integrated 4K lens with 20x zoom	20x Fujinon AF OIS bayonet mount (E model only)	20x Fujinon AF OIS bayonet mount (E model only)	Integrated 23x Fujinon lens	Integrated 23x Fujinon lens	19x F1.2 bright GT lens	Integrated 10x lens	
Dynamic zoom	Virtual Scan Mapping	24x	24x	n/a	40x	—	—	—	—	—	16x	
Auto focus and OIS	n/a	Yes	Yes	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Encoder	MPEG-4 AVC / H.264	MPEG-4 AVC / H.264	MPEG-4 AVC / H.264	MPEG-4 AVC / H.264 (HD/SD), MPEG-2 Long GOP VBR (HD), XAVC: H.264	Apple ProRes 422, MPEG-4 AVC/H.264 (4K/HD/SD), MPEG-2 long GOP (HD HC550 only)	MPEG-2 / H.264	MPEG-2 / H.264	MPEG-2 / H.264	MPEG-2 / H.264	MPEG-4 AVC / H.264	MPEG-4 AVC / H.264	
File formats	MOV, AVCHD	MOV, AVCHD	MOV, AVCHD	MOV, MP4, MXF, AVCHD	MOV, MP4, MXF (HC550 only)	MOV, MP4, MXF, AVCHD	MOV, MP4, MXF, AVCHD	MOV, MP4, MXF, AVCHD	MOV, MP4, AVCHD	MOV, MP4, MTS (AVCHD)	MP4 / AVCHD	
Recording media	SDHC/SDXC (2 slots), 4K requires UHS-1 U3	SDHC/SDXC (2 slots), 4K requires UHS-1 U3	SDHC/SDXC (2 slots), 4K requires UHS-1 U3	SDHC/SDXC (2 slots)	SDHC/SDXC (2 slots), M2 SSD recording via adapter	SDHC/SDXC (2 slots)	SDHC/SDXC (2 slots)	SDHC/SDXC (2 slots)	SDHC/SDXC (2 slots)	SDHC/SDXC (2 slots)	SDHC / SDXC (2 slots)	
Simultaneous recording	Yes	Yes	Yes	HD+web, HD+stream, SD+stream	Yes	HD+SD, HD+web, HD+stream, SD+stream	HD+SD, HD+web, HD+stream, SD+stream	HD+SD, HD+web, HD+stream, SD+stream	—	—	—	
Recording modes	Up to DCI 4K 4096x2160 (24p); up to 3840x2160 (24/25/30p); up to 1920x1080 (50/60p)	Up to 3840x2160 (24/25/30p); up to 1920x1080 (50/60p, 50/60i)	Up to 3840x2160 (24/25/30p); up to 1920x1080 (50/60p, 50/60i)	Up to 1920x1080 (50/60p, 50/60i)	Up to 4K UHD (50/60p, ProRes); 4K UHD (24/25/30p, H.264); up to 1920x1080 (50/60p)	Up to 1920x1080 (50/60p, 50/60i)	Up to 1920x1080 (50/60p, 50/60i)	Up to 1920x1080 (50/60p, 50/60i)	Up to 1920x1080 (50/60p, 50/60i)	Up to 1920x1080 (50/60p, 50/60i)	1920x1080 (50p, 50i)	
HD recording (H.264, 50 Mbps)	Yes, plus high-speed rec (120fps)	4:2:2 recording at 4K/30p/24p, plus high-speed rec (120fps)	Yes, plus high-speed rec (120fps)	Yes, plus high-speed rec (120fps) and HDR (Hybrid Log Gamma)	Yes, plus high-speed rec (120fps) and HDR (HLG, J-Log1)	Yes	Yes	Yes	Yes	Yes	High-speed SD rec (250fps)	
Recording data rates	70, 150 Mbps (C4K, UHD), 8, 17, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (C2K, XHQ/YUV422), 8 Mbps (SD), 0.2, 0.3, 0.8, 1.2, 3, 5, 8, 9 (web)	70, 150 Mbps (UHD), 8, 17, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (XHQ/YUV422), 8 Mbps (SD), 0.2, 0.3, 0.8, 1.2, 3, 5, 8, 9 (web)	70, 150 Mbps (UHD), 8, 17, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (XHQ/YUV422), 8 Mbps (SD), 0.2, 0.3, 0.8, 1.2, 3, 5, 8, 9 (web)	4:2:2 10-bit 50-35 Mbps (HD H.264), 35 Mbps (HD MPEG-2), 8 Mbps (SD), 3-1.2 Mbps (web)	422HQ/422/422LT 10-bit (4K, Apple ProRes 422); 4:2:2 10-bit 50-35 Mbps (HD H.264), 4:2:0 8-bit 150/70Mbps, 35Mbps (HD MPEG-2), 8Mbps (SD), 3-1.2Mbps (web)	19, 25, 35 Mbps (MPEG-2), 5, 9, 18, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (XHQ), 8 Mbps (SD), 0.8, 3, 5 Mbps (web)	19, 25, 35 Mbps (MPEG-2), 5, 9, 18, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (XHQ), 8 Mbps (SD), 0.8, 3, 5 Mbps (web)	19, 25, 35 Mbps (MPEG-2), 5, 9, 18, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (XHQ), 8 Mbps (SD), 0.8, 3, 5 Mbps (web)	19, 25, 35 Mbps (MPEG-2), 5, 9, 18, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (XHQ)	19, 25, 35 Mbps (MPEG-2), 5, 9, 18, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (XHQ)	19, 25, 35 Mbps (MPEG-2), 5, 9, 18, 24, 28 Mbps (AVCHD), 35 Mbps (UHQ), 50 Mbps (XHQ), 8 Mbps (SD)	28 Mbps (AVCHD), 24 Mbps (UXP), 70 Mbps (XP), 12 Mbps (SP), 5 Mbps (EP), 3, 6 Mbps (AVCHD SD)
Live streaming	0.2, 0.3, 0.8, 1.5, 2.5, 3, 5, 8 & 12 Mbps, Zixi, UDP, RTP, RTMP	0.2, 0.3, 0.8, 1.5, 2.5, 3, 5, 8 & 12 Mbps, Zixi, UDP, RTP, RTMP	—	1080 60/50p live streaming, 0.3, 1.5, 3, 5, 8, 12, 16 & 20 Mbps, RTMP, MPEG2-TS/UDP, MPEG2-TS/RTP, RTSP/RTP, Zixi	1080 60/50p live streaming, 0.3, 1.5, 3, 8, 12, 20 & 24 Mbps, RTMP, MPEG2-TS/UDP, MPEG2-TS/RTP, RTSP/RTP, Zixi (550 only)	0.2, 0.3, 0.8, 1.5, 2.5, 3, 5, 8 & 12 Mbps, Zixi, UDP, RTP, RTMP	0.2, 0.3, 0.8, 1.5, 2.5, 3, 5, 8 & 12 Mbps, Zixi, UDP, RTP, RTMP	0.2, 0.3, 0.8, 1.5, 2.5, 3, 5, 8 & 12 Mbps, Zixi, UDP, RTP, RTMP	—	—	—	
FTP file transfer	FTP, SFTP, FTPS	FTP, SFTP, FTPS	—	FTP, SFTP, FTPS, Auto FTP	FTP, SFTP, FTPS, Auto FTP	FTP, SFTP, FTPS	FTP, SFTP, FTPS	FTP, SFTP, FTPS	—	—	—	
SD recording capability	Yes, simultaneous with HD	Yes, simultaneous with HD	Yes, simultaneous with HD	Yes	Yes	Yes, simultaneous with HD	Yes, simultaneous with HD	Yes, simultaneous with HD	Yes	Yes	Yes	
Pre-rec (retro) recording	5 secs (4K); 5, 10, 15 secs (HD/SD)	5 secs (4K); 5, 10, 15 secs (HD/SD)	5 secs (4K); 5, 10, 15 secs (HD/SD)	5, 10, 15 secs (HD/SD)	5 secs (4K); 5, 10, 15 secs (HD/SD)	10 seconds	10 seconds	20 seconds	20 seconds	15 seconds	—	
Audio channels	2	2	2	4	2	4	4	2	2	2	2	
Audio inputs	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	XLR 3-pin x2 (MIC, +48V/LINE), XLR 5-pin	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	XLR x2 (MIC, +48V/LINE) 3.5mm mini jack x1	3.5mm mini stereo mic	
Digital output	HDMI, HD/SD-SDI (3G)	HDMI, HD/SD-SDI (3G)	HDMI (+ HD/SD-SDI on HM180)	HDMI, HD/SD-SDI (3G)	HDMI, HD/SD-SDI (3G)	HDMI, HD/SD-SDI (3G)	HDMI, HD/SD-SDI (3G)	HDMI, HD/SD-SDI	HDMI, HD/SD-SDI	HDMI	HDMI Mini	
USB interface	2x (host/data)	2x (host/data)	1x data	1x host	1x host	Host device	Host device	Host device	Connection for PC	Connection for PC	—	
Battery	SSL-JVC50 (7.4V) battery included, SSL-JVC75 opt.	SSL-JVC50 (7.4V) battery included, SSL-JVC75 opt.	BN-VF823 (7.2V) battery included	IDX V-mount, battery not included	BN-VC264 (7.2V) battery included	IDX V-mount, battery not included	IDX V-mount, battery not included	SSL-JVC50 (7.4V) battery included, SSL-JVC75 opt.	SSL-JVC50 (7.4V) battery included, SSL-JVC75 opt.	SSL-JVC50 (7.4V) battery included, SSL-JVC75 opt.	Dual BN-VF823 (7.2V) battery, one included	
Web-based remote control	Built-in web server for remote viewing/control	Built-in web server for remote viewing/control	—	Built-in web server for remote viewing/control	Built-in web server for remote viewing/control	Built-in web server for remote viewing/control	Built-in web server for remote viewing/control	Built-in web server for remote viewing/control	—	—	—	
Genlock / Time code	—	—	—	Genlock and time code I/O	Timecode I/O	Genlock and time code I/O	Genlock and time code I/O	Time code I/O	Time code I/O	—	—	
Other	—	Sports graphics and live game scores (GY-HM250ESB)	—	HD-SDI pool feed; IFB & video return via IP; expansion slot	Wireless LAN + ext. antenna, broadcast overlay (550); exp. slot	HD-SDI pool feed with streaming encoder	—	—	—	—	—	

For full specifications, please see information and product brochures on our website at nl.jvc.com/pro/pro_cam