**1” Canon/Sony camcorders 2017**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Canon  HF GX10  (59.94 Hz model) | Canon  XF400  (59.94 Hz model) | Canon  XF405  (59.94 Hz model) | Sony  FDR-AX700  (59.94 Hz model) | Sony  d | Sony PXW-Z90 |
| Sensor | 1.0-type CMOS | 1.0-type CMOS | 1.0-type CMOS | 1.0-type CMOS | 1.0-type CMOS | 1.0-type CMOS |
| WorldCam status | Segregated | Segregated | Segregated | Segregated | WorldCam | WorldCam |
| 4k UHD framerates | 59.94  —  29.97  —  23.976 | 59.94  —  29.97  —  23.976 | 59.94  —  29.97  —  23.976 | —  29.97  —  23.976 | —  29.97  25  23.976 | —  29.97  25  23.976 |
| 1080p recording framerates | 59.94  —  29.97  —  23.976 | 59.94  —  29.97  —  23.976 | 59.94  —  29.97  —  23.976 | 59.94  —  29.97  —  23.976 | 59.94  50  29.97  25  23.976 | 59.94  50  29.97  25  23.976 |
| 1080p max shooting framerates (for continuous slow motion, not for recording) | 119.98 | 119.98 | 119.98 | 119.88 | 119.88 | 119.88 |
| 720p framerates | 59.94  29.97 | 59.94  29.97 | 59.94  29.97 | 59.94 | 59.94  50 | 59.94  50 |
| 4K UHD códec/ bitrates for internal recording | 150Mb/s  4:2:0 8-bit | 150Mb/s  4:2:0 8-bit | 150Mb/s  (may require firmware update)  4:2:0 8-bit | 100Mb/s  4:2:0 8-bit | 100Mb/s  4:2:0 8-bit | 100Mb/s  4:2:0 8-bit |
| Max 1080p UHD códec/max bitrate for internal recording | autonomous MP4 file  at up to 35Mb/s | autonomous MP4 file  at up to 35Mb/s | autonomous MP4 file  at up to 35Mb/s | XAVC S with autonomous MP4 file  up to 50Mb/s  4:2:0 8-bit | XAVC S with autonomous MP4 file  up to 50Mb/s  4:2:0 8-bit | XAVC L  hierarchical file  up to 50Mb/s  4:2:2 10 bit |
| Shows non-integer framerates to at least 2 decimals in camera menu. | TBA | Yes,  as seen  in prototype videos. | Yes,  as seen  in prototype videos. | Rounds  to closest integer  in prototype video. | Rounds  to closest integer  in prototype video. | Rounds  to closest integer  in prototype video. |
| Optical zoom range (16:9, 35mm equivalent) | 25.5–382.5mm | 25.5–382.5mm | 25.5–382.5mm | 29-348 mm | 29-348 mm | 29-348 mm |
| Blades in iris | 9 | 9 | 9 | 7 | 7 | 7 |
| Aperture | F2.8-4.5 | F2.8-4.5 | F2.8-4.5 | F2.8-4.5 | F2.8-4.5 | F2.8-4.5 |
| Infrared shooting | No | Yes | Yes |  |  | Yes |
| Live 1080p native output via HDMI  Outgoing/Shy | “Outgoing”  confirmed by Canon  Wonderful! | “Outgoing”  confirmed by Canon  Wonderful! | “Outgoing”  confirmed by Canon  Wonderful! | TBA | TBA | TBA |
| Large display | touchscreen 3.5” approximately 1.56 million dots | touchscreen 3.5” approximately 1.56 million dots | touchscreen 3.5” approximately 1.56 million dots | touchscreen 3.5” LCD screen (1,555k dots) | touchscreen 3.5” LCD screen (1,555k dots) | touchscreen 3.5” LCD screen (1,555k dots) |
| Viewfinder | 0.24-inch TFT wide color LCD, approx. 1.56 million dots | 0.24-inch TFT wide color LCD, approx. 1.56 million dots | 0.24-inch TFT wide color LCD, approx. 1.56 million dots | 0.39-type OLED, 2,359k dots | 0.39-type OLED, 2,359k dots | 0.39-type OLED, 2,359k dots |
| WiFi bands | TBA | 2.4/5.3/5.8GHz | 2.4/5.3/5.8GHz | TBA | 2.4/5 GHz | 2.4/5 GHz |
| HDMI/SDI | HDMI 2.0 | HDMI 2.0 mini | HDMI 2.0 mini + 3G-SDI | HDMI type A | HDMI type A | HDMI type A + SDI (not simultaneous) |
| Built-in Ethernet | No | RJ-45 1000BASE-T | RJ-45 1000BASE-T | No | No | No |
| XLR inputs | Not from Canon  Needs 3rd-party solution | Yes, via included top handle | Yes, via included top handle | Optional XLR-K1M US$788 (Includes ECM-XM1 shotgun mic)  or a 3rd-party solution | Yes, via included top handle | Yes, via included top handle |
| Instant HDR via HLG | No | No | No | Yes | Yes | Yes |
| Wireless timecode sync of multicams from mobile phone | TBA | TBA | TBA | TBA | Yes,  with optional  license fee | Yes,  with optional  license fee |
| Timecode over HDMI | TBA | TBA | TBA | TBA | TBA | TBA |
| List price in US | US$2499 | US$2999 | US$3499 | US$1899 | US$2299 | US$2799 |

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