# Canon
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**4K UHD**

# XA55
# XA50

4K UHD PRO CAMCORDER

# 1.0-INCH CMOS. 4K UHD VIDEO. CANON EXCELLENCE.

The portable XA55 and XA50 Professional Camcorders deliver outstanding image quality and features ideal for on-the-go video production. With 1.0-inch 4K UHD CMOS Image Sensors, DIGIC DV 6 Image Processors and Dual Pixel CMOS AF, they can record in XF-AVC or MP4 formats to dual SD card slots to offer the impressive versatility that professionals need.

### 4K UHD and Full HD Recording
Using the XF-AVC or MP4 recording formats, users can record to dual SD card slots in 4K UHD and Full HD resolutions. Plus, the 1.0-inch 4K UHD CMOS Image Sensor enables 4K UHD video capture at 30p and slow motion recording up to 60 fps in Full HD (30 fps in 4K UHD), making the camcorders excellent for professional productions, creative fields and more.

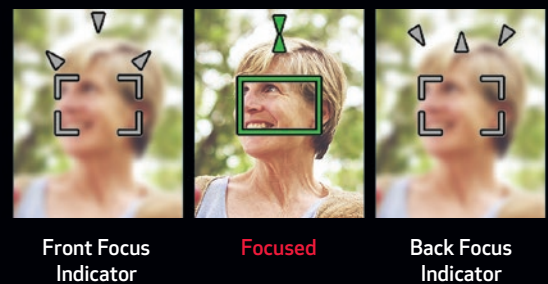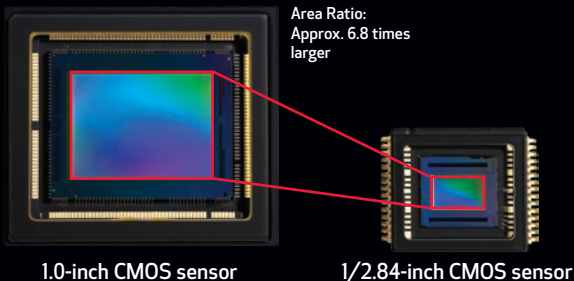### 8.29 Megapixel 1.0-inch CMOS Sensor and DIGIC DV 6
The CMOS Sensor and DIGIC DV 6 imaging engine further enhance sensitivity and low noise performance, resulting in images with reduced noise in low light.

### 15x Optical 4K UHD Zoom Lens
The 15x Optical Zoom Lens maintains 4K UHD quality throughout the entire zoom range, offering a focal length range of 25.5 to 382.5mm (35mm film equivalent). Advanced Zoom mode extends the zoom range while maintaining high image quality for Full HD shooting.

### Dual Pixel CMOS AF and Dual Pixel Focus Guide
Canon's fast, precise Dual Pixel CMOS AF assists not only with standard shooting, but also with 4K UHD 30p, Full HD 60p and other applications that require frame-by-frame accuracy. Dual Pixel Focus Guide enables precise manual focus by displaying focus assist information on screen.

Area Ratio: Approx. 6.8 times larger

1.0-inch CMOS sensor     1/2.84-inch CMOS sensor

Front Focus Indicator    Focused    Back Focus Indicator

### Full HD Over Sampling Recording
Full HD image quality is now even better thanks to Over Sampling HD Processing, which enables Full HD recording by utilizing the outstanding capabilities of the 4K CMOS Sensor.

### 3.0-inch Touch Panel LCD and 0.24-inch Tiltable Electronic Viewfinder
The 460,000-dot LCD display provides vivid colors, high contrast and faithful color reproduction. For low-angle shooting, the electronic viewfinder can tilt up to 45°, all while providing 100% field of view and 1.56 million dots of resolution.

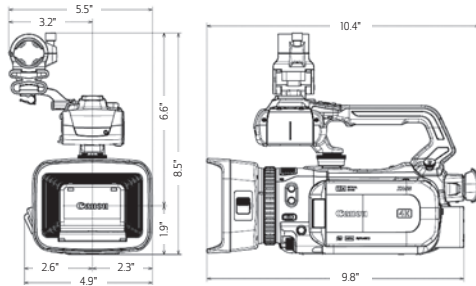4K UHD    1.0" type CMOS    Dual Pixel CMOS AF    4K Video Lens    9-Bladed Iris    Advanced Zoom    Audio 4ch    Double Slot

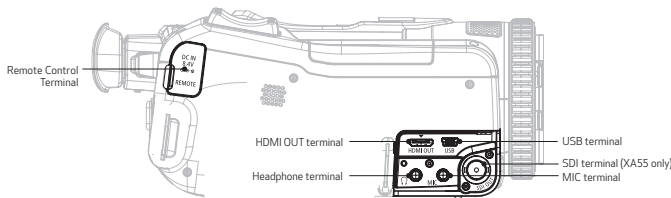| | **XA55**    **XA50** |
|---|---|
| Standard Definition or High Definition | 4K Ultra High Definition |
| Power Supply (Rated) | 7.4 V DC (Battery Pack), 8.4 V DC (DC IN) |
| Video Recording System | Compression: MPEG-4 AVC/H.264<br><br>File Format: MP4<br>Recording Modes:<br>3840 x 2160: 29.97p/23.98p<br>1920 x 1080: 59.94p/29.97p/23.98p<br>1280 x 720: 59.94p<br><br>File Format XF-AVC<br>Recording Modes:<br>3840 x 2160: 29.97p/23.98p<br>1920 x 1080: 59.94p/59.94i/29.97p/23.98p |
| Audio Recording System | MP4: MPEG-2 AAC-LC (16-bit 2ch) / LPCM (16-bit 4ch)<br>XF-AVC: LPCM (24-bit 4ch) |
| Image Sensor | 1.0-inch CMOS, RGB Primary Color Filter |
| Total Pixels | Approx. 13.4 megapixels (4268 x 3148) |
| Effective Pixels | Approx. 8.29 megapixels (3840 x 2160) |
| Lens | Canon 15x Zoom, 8.3–124.5mm (35mm equivalent 25.5–382.5mm), f/2.8–4.5 |
| Television System | NTSC |
| Focusing System | Dual Pixel CMOS AF, Contrast AF<br>The detection range for CMOS AF is approx. 80% (vertical) x 80% (horizontal) of the entire field of view. |
| Manual Exposure | Yes |
| Exposure Control | Auto Mode<br>Manual Mode: P, Tv, Av, M (Manual Exposure), SCN (Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks) |
| Maximum Shutter Speed | 1/2000 sec. |
| Minimum Focusing Distance | 10mm at wide end, 60cm across entire zooming range |
| White Balance | Auto, Preset (Daylight, Tungsten), Color Temperature Settings (2,000-15,000K), Set (1/2) |
| Frame Rate | 60p, 30p, 24p |
| Minimum Illumination | P Mode: Approx. 1.7 lux (shutter speed: 1/30 sec., 60p with auto slow shutter on)<br>Low Light Mode: Approx. 0.1 lux (shutter speed: 1/2 sec.) |
| 3G-SDI Terminal | Yes | No |

| | **XA55** | **XA50** |
|---|---|---|
| Image Stabilization | Optical system (lens shift) + electronic stabilization<br>(Image rotation and camcorder movements in the yaw and pitch directions are electronically corrected.)<br>Modes: Dynamic IS, Powered IS, Standard IS, IS Off | |
| Filter Diameter | 58mm | |
| Viewfinder | 0.24-inch TFT wide color LCD, approx. 1.56 million dots, approx. 100% field of view | |
| LCD Touch Panel | 3.0-inch wide LCD and AR surface treatment (approx. 460,000 dots) | |
| Microphone | Stereo (using electret condenser microphone) | |
| Recording Media | SD/SDHC/SDXC Card (2 slots): MP4/XF-AVC movies and photos. UHS-I standard supported. Menu settings can also be recorded. | |
| USB Terminal | mini-B receptacle, Hi-Speed USB, point-to-point class supported (output only) | |
| Accessory Shoe | Cold shoe | |
| Video Terminal | 3.5mm stereo mini-jack, HDMI™ mini connector, 3G-SDI terminal | 3.5mm stereo mini-jack, HDMI™ mini connector |
| Audio Terminal | 3.5mm stereo mini-jack, XLR 3-pin jack (2 channels, provided on the handle unit), HDMI™ mini connector, headphone jack, 3G-SDI terminal | 3.5mm stereo mini-jack, XLR 3-pin jack (2 channels, provided on the handle unit), HDMI™ mini connector, headphone jack |
| HDMI Terminal | HDMI™ mini connector | |
| AV Mini Terminal/ Headphone Terminal | 3.5mm stereo mini-jack | |
| Ethernet Terminal | No | |
| Remote Control Terminal | 2.5mm stereo mini-jack | |
| Operating Temperature Range | For Performance: Approx. 0–40° C, 85% (relative humidity)<br>For Operation: Approx. -5–45° C, 60% (relative humidity) | |
| Dimensions (W x H x D) | Approx. 4.3 x 3.6 x 8.4 in. / 109 x 91 x 214mm<br>(excluding lens hood, mic holder unit, handle unit and battery pack)<br><br>Approx. 4.9 x 3.6 x 10.4 in. / 125 x 91 x 265mm<br>(including lens hood and Battery Pack BP-820; excluding mic holder unit and handle unit)<br><br>Approx. 5.5 x 8.5 x 10.4 in. / 140 x 216 x 265mm<br>(including lens hood, Battery Pack BP-820, mic holder unit and handle unit)<br><br>All dimensions exclude the grip belt. | |
| Weight | Approx. 2.1 lbs. / 970g<br>(body only, grip belt included) | Approx. 2.1 lbs. / 960g<br>(body only, grip belt included) |

## DIMENSIONS



## TERMINALS



## ACCESSORIES

| ITEM | Battery Pack BP-828 | Battery Pack BP-820 | Battery Charger CG-800 | GPS Receiver GP-E2 |
|---|---|---|---|---|
| ITEM CODE | 8598B002 | 8597B002 | 2590B002 | 6363B001 |
| ITEM | Wide Attachment Lens WA-U58 | Tele-Converter TL-U58 | Video Light VL-10Li II | Remote Controller RC-V100 |
| ITEM CODE | 2494C001 | 2493C001 | 1729B001 | 9660B001 |
| ITEM | Mini-HDMI Cable HTC-100 | USB Cable IFC-400PCU | Soft Case SC-2000 | |
| ITEM CODE | 2384B001 | 9370A001 | 9389A001 | |

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