



The ultimate 3CCD DV camera system for creative film making

Key Selling Features

- Mini DV Format DV Camera with 3CCD camera system and XL interchangeable lens mount
- High resolution 16:9 recording for playback on widescreen monitors or screens
- Complete range of professional level manual image adjustments for total creative expression
- High performance audio system with XLR jacks, audio level control and audio level monitoring

Answering Professional's Needs

- 800,000 pixel 1/3-inch 3CCD system with horizontal pixel shift delivering 540 lines of horizontal resolution
- High resolution 16:9 wide screen recording eliminating "letterbox" view and ideal for widescreen playback
- Third generation LSI image processor achieving high resolution, high sensitivity and low smear
- Multiple shooting modes: 50i (50-field interlace), 25p (25-frame progressive), interval shooting and self-timer
- Professional use features including SMPTE Time Code, User Bit setting, Character Recording, EBU Colour Bar, 5 level Zebra pattern, viewfinder Centre Marker display and Clear Scan mode for recording monitors
- DV and analogue line-in, for analogue-digital conversion, and line-out for connection to DV devices

Total Image Control

- Complete range of customisable Cine Looks for creative filmmaking including Colour Matrix, Gamma, Knee, Black, Vertical Detail, Coring, Sharpness, Noise Reduction, Colour Gain, Hue
- Along with Customisable Cine Looks Total Image Control including Master RGB, Setup Level, Master Pedestal, Skin Tone Detail and White Balance to put picture control in the hands of the filmmaker
- Up to 3 Custom Presets of image control settings can be stored within the cameras built-in memory for quick recall of user set image look or pre-programmed camera setups for different shooting situations
- Full range of shooting programs: Full Auto, Auto, TV, AV, Manual, Spotlight mode and Low Light
- Brightness adjustment: AE lock, AE shift and Gain setting from -3dB through to +18 dB

Open Architecture Design

- 20x XL 5.4-108mm L-series IS lens with Fluorite element and SuperRange Optical Image Stabilizer – offering stable images, free from shake or image "float" plus 2x independent ND filters and Zoom/AF Preset
- 2-inch 200,00 pixel LCD monitor/EVF with both latitudinal and longitudinal adjustment and flip-up eyecup
- Automatically or manually controlled audio levels using built-in audio level monitor or headphones
- Two built-in XLR jacks with phantom power supply for powered microphones and even greater usability
- Advanced Accessory Shoe supporting Microphone Adaptor MA-300, providing 2 additional XLR jacks
- Built-in BNC jack for direct connection to external monitors and S-video jack for video input

Huge Range of Standard Accessories

- 20x zoom XL5.4-108mm L IS video lens, Wireless Controller WL-D4000, Battery Pack BP-930, Compact Power Adapter CA-920, Power Supply Coupler DC-920, Stereo Video Cable STV-150, S-Video Cable S-150, Shoulder Strap SS-1000, Microphone Unit, Colour Viewfinder, Adapter Holder, Lens Hood

Optional Accessories

- 16x zoom XL5.5-88mm IS II video lens, 16x zoom XL5.4-86.4mm manual video lens, 3x zoom XL3.4-10.2mm video lens, Extender lens XL1.6x, EF Adapter XL, EF lens group (adapter required), Filter Set FS-72U, Zoom Remote Controller ZR-1000, Battery Pack BP-945, Compact Power Adapter CA-910, Car Battery Adapter CB-910, Dual Battery Charger/Holder CH-910, Microphone Adapter MA-300, Directional Stereo Microphone DM-50, Monochrome Viewfinder Unit FU-1000, System Case HC-3200, DV Cable CV-150F and CV-250F, Tripod Adapter TA-100, Video Flash Light VFL-1, Video Light VL-3, Battery Video Light VL-10Li

CAMERA

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|-----------------------------------|--|
| CCD Size | 1/3-inch interlace 3 CCD (horizontal pixel shift) |
| Pixels (Total / Effective) | 800,000 / 410,000 (4:3), 550,000 (16:9) |
| Colour Separation | Prism and Dicroic Filter |
| Scan Mode | 625 lines, 50-field interlaced or 25-frame progressive |
| Exposure Modes | Full Auto, Auto, Spotlight, Low Light, Manual, Aperture priority, Shutter priority |
| Shooting Modes | 50i and 25p |
| Minimum Illumination | 0.8 lux |
| Shutter Speeds | 1/6 – 1/16,000 second (1/6 to 1/49 sec slow shutter) |
| Aperture | 8 steps from f1.6 to close |
| Gain | -3, Auto, 0, +3, +6, +12, +18 dB |
| AE Level Shift | +/- 2 levels |
| White Balance | Auto, set (3 settings are available, Preset (indoor/outdoor) |
| Lens Mount | Canon XL bayonet mount |
| Viewfinder | 2.0-inch colour LCD; approx. 200,000 pixels |
| Viewfinder Adjustment | +0.5 to -4.0, brightness, contrast, colour and sharpness |
| 16:9 ratio | Display: Area Marker display, Recording: True 16:9 format |

LENS

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|-------------------------|--|
| Lens Mount | Canon XL bayonet mount (lens replacement system) |
| Standard Lens | Canon 20x Zoom XL5.4-108mm L IS |
| Image Stabilizer | Optical Image Stabilizer (using VAP, SuperRange system support) |
| Autofocus | TTL-video signal detection type AF |
| Manual Focus | Lens focus ring when AF switched off |
| Push AF | Slide switch operation |
| Manual Zoom | Rubberised ring on lens |
| ND Filter | Built-in 2 levels: Light intensity approx. 1/6 (density 0.8), 1/32 (density 1.5) |
| Filter Diameter | 72mm, P0.75mm |

RECORDER

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| Format | Mini DV / PAL |
| Tape Speed | Approx. 18.83mm/sec. (SP); 12.57mm/sec. (LP) |
| Audio | 16-bit 48 kHz 2 channels, 12-bit 32 kHz 4 channels |
| Audio Level Control | Automatic or manual level control |
| DV Input/Output | 4-pin (IEEE1394) |
| S-Video Input/Output | 4-pin mini-DIN |
| Video Input/Output | RCA pin jack / BNC jack |
| Audio Input/Output | RCA jack (L/R), XLR pin jack (3 pin jack) balanced with 48v Phantom Power Supply |
| Headphone Output | 3.5mm dia. Stereo mini-jack |
| Edit Terminal | LANC compatible |

GENERAL

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|----------------------------------|---|
| Wireless Controller | WL-D4000 |
| Power Supply Voltage | 7.2V DC (battery pack) |
| Operating Temperature | 0-40°C |
| Dimensions (W x H x D) | 225 x 220 x 496mm (with 20x zoom XL5.4-108mm L IS, viewfinder and supplied microphone) |
| Continuous Recording Time | BP-930: 155 mins. BP-945: 230 mins |
| Weight (camera only) | 2,410g (viewfinder unit, and supplied microphone installed) |
| Weight (fully equipped) | 3,545g (with 20x zoom XL5.4-108mm L IS, viewfinder, supplied microphone, BP-930, DVM-E30, and lithium coin battery) |

- All data based on Canon's Standard Test Method
- Subject to change without notice