

Canon XF300 Professional PAL Camcorder



Rating: 4.0

Price:

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 2,499.00

Discount:



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Manufacturer: [Canon](#)

Description

Product Highlights

- 3x Native 1920 x 1080 CMOS Sensors
- 50 Mb/s MPEG-2 Recording
- 4:2:2 Color Sampling
- 50p, 50i, 25p
- MXF File Format
- Dual CF Card Slots
- 18x HD L-Series Zoom
- Multiple Bit Rates, Resolutions
- Dual XLR Inputs
- HDMI, Component, Composite Outputs

Image Device

Lens

Horizontal Resolution

Focusing System

Zoom

Iris

Minimum Illumination

Built-in Filters

Minimum Focus Distance

Video Recording System

Audio Recording Format

Audio Control

Frame Rates

Slow & Quick Motion Function

Image Stabilization

LCD Monitor

Viewfinder

Microphone

Memory Card Slot

Still Picture Resolution

Scan Reverse

Exposure

3x 1/3" CMOS Sensors

2.37 Mp (2.07 Mp effective)

RGB prism system

18x optical zoom

1.5x digital zoom

4.1-73.8mm (29.3-527.4mm, 35mm equivalent)

f/1.6-22

17 elements in 14 groups

82mm filter diameter

1000 TV lines or more (1920 x 1080i mode)

Ring control or automatic (Instant AF, Medium AF, TV AF, Face Detection AF)

Ring, Rocker or Handle control.

Zoom Rocker: Variable speed/Fixed speed (16 speed level settings available)

Handle zoom: Fixed speed (16 speed level settings available)

f/1.6-22; ring control; Push Auto Iris; Full Auto

Not specified by manufacturer

Neutral Density (3 glass filters: 1/4, 1/16, 1/64)

20mm (wide macro), 1 m (entire zoom range)

Compression: MPEG-2 Long GOP

Color Space: 4:2:2 (at 50 Mb/s recording)

File Format: MXF

Recording Modes:

50 Mb/s CBR (4:2:2), MPEG-2 422P@HL: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p

35 Mb/s VBR (4:2:0), MPEG-2 MP@HL: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p

25 Mb/s CBR (4:2:0), MPEG-2 MP@H14: 1440 x 1080/50i, 25p

2-channel, PCM digital recording, 16-bit; 48 kHz

Independent limiters and auto/manual settings

50i, 25p (all resolutions); 50p (1280 x 720 resolution only)

720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50 fps

1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25 fps

SuperRange Optical (Lens Shift) with angle & vector movement detection

3 modes: Standard, Powered, Dynamic

4" (10.1 cm) color, approx. 1.23 million dots

Set brightness, contrast, color, sharpness, backlight, black & white

Adjustable left/right position

0.52" (1.3 cm) color, approx. 1.55 million dots

Set brightness, contrast, color, backlight, black & white

Adjustable vertical tilt

+2.0 to -5.5 diopter

Yes, with attenuation and level meter

CF Card Type 1: 2 slots (movie files only); UDMA4, 30 MB/s or faster (40 MB/s or faster for Fast/Slow recording)

SD/SDHC/SDXC Card: still images, custom picture data, clip metadata, custom settings

During video recording: 1920 x 1080

During playback: 1920 x 1080, 1280 x 720

Up/down, left/right, up/down/left/right image inversion

Metering: Standard (center-weighted), Spotlight, Backlight

Range: 50-100,000 lux

Shutter Modes	Compensation: -2 to +2 EV (14 steps) Full Auto Mode 3 Position Switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS))
Shutter Speed	1/18 to 1/2000 depending on frame rate Slow Shutter: 1/3, 1/6, 1/12, 1/25 depending on frame rate
Shutter Angle	11.25° to 360° depending on frame rate
Clear Scan	50i/p: 50-251.15 Hz 25p: 25-251.15 Hz
White Balance	Auto, Manual, A, B, Daylight, Tungsten -50 to +50 white balance offset for R,G,B
Time Code	Countup Setting: Regen, RecRun, FreeRun, External, Hold Start Value Setting: "00:00:00:00", Set/Reset selectable
Gain Selection	Assignable L, M, H settings (-6 dB / -3 dB / 0 dB / 3 dB / 6 dB / 12 dB / 18 dB / 21 dB / 33 dB / TUNE (0.5 dB increments from 0 to 21 dB))
Automatic Gain Control	Setting: Full Auto; AGC On; Manual Limit: 3 dB; 6 dB; 9 dB; 12 dB; 15 dB; 18 dB (Off/21 dB)
Custom Picture	Stored Configurations: 9 (3 factory presets) Storage Medium: SD/SDHC memory card (all customization data and metadata) Gamma: 6 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 color 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 8) 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 Color Matrix: -50 to +50 6-way matrix, Gain, Phase White Balance: -50 to +50 white balance offset for R,G,B Color Correction: Area selection / area revision of two areas Setup Level: -50 to +50 On/Off Press: On / Off Clip 100% IRE: Limits output to 100% after setup adjustment
Maximum Recording Time	<i>Not specified by manufacturer</i>
Input and Output Connectors	Component: D Connector (x1 Output) Composite: 3.5mm mini jack (x1 Output); BNC (x1 Output) HDMI: Standard Type A (x1 Output) Mic/Line: XLR 3-pin (x2 Input) with 48V phantom power (x2 Input); 3.5mm stereo (x1 Input) USB: Mini-B USB 2.0 (x1 Output) Headphone: 3.5mm Mini (x1 Output) Remote Control Terminal: LANC (2.5mm) (x1 Input)
Tally	x2 lamps
Accessory Shoe	Hot shoe (EOS flash units supported)
Power Requirements	7.2V DC (Battery Pack)
Power Consumption	9W
Battery Recording Time	Approx. 165 minutes
Battery Backup	Lithium coin battery (built-in)
Operating Temperature	23 to 113°F (-5 to 45°C), 60% relative humidity
Dimensions (WxHxD)	Approx. 7.1 x 7.6 x 15.5" (18.0 x 19.2 x 39.4 cm)
Weight	Approx. 6.0 lb (2.7 kg) - camera only
Packaging Info	
Package Weight	13.65 lb
Box Dimensions (LxWxH)	17.8 x 11.8 x 9.7"