VideoLink™ INC.
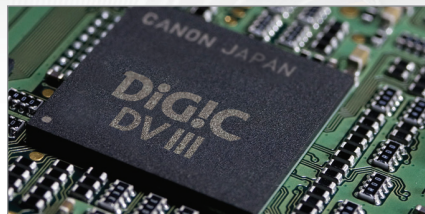
CANON XF305/XF300 HIGH DEFINITION CAMCORDERS

The New Professional Standard

Engineered to outperform demanding expectations, Canon's XF305 and XF300 are impressive, professional tapeless HD camcorders that feature a Genuine Canon 18x L-Series lens which works together with three Canon-developed-and-designed native 1920 x 1080 CMOS image sensors and the advanced Canon XF Codec to capture and record exceptional MPEG-2 4:2:2 50Mbps 1920 x 1080 video to universally available Compact Flash (CF) cards. The XF305 and XF300 camcorders' advanced Canon XF Codec also provides full compatibility with today's leading nonlinear editing systems for efficient digital production workflows, as well as 4:2:2 color space for extreme color detail for accurate chroma-keying, color-grading and digital compositing. The XF305 features industry-standard HD-SDI output, genlock, and SMPTE time code (in/out) terminals for broadcast and multi-camera productions, plus a unique 3D Assist Function that allows two units to be easily set up for 3D HD video.

Key Features

► Advanced Canon XF Codec – MPEG-2 4:2:2 50Mbps
► Genuine Canon 18x L-Series video lens
► MXF (Material eXchange Format) File Wrapper
► Canon SuperRange Optical Image Stabilizer with Dynamic and Powered Modes
► Canon's proprietary DiG!C DV III Image Processor
► Slow and Fast Motion, Interval Mode and Frame Record
► Multiple Bit Rates, Resolutions, and Frame Rates
► Face Detection Technology

Canon's DIGIC DV III Image Processor ensures natural, lifelike colors with excellent black reproduction.

► Full Manual Focus Mode features Mechanical Hard stops with focus distance markers

Recommended For:

► TV News and Documentaries
► Digital Filmmaking
► Event Videography
► Corporate Video
► Film Schools
► Animation

XF305 / XF300

Canon

XF305/XF300

PRODUCT NAME: XF305 / XF300   ITEM CODE: 4454B001(XF305), 4457B001(XF300)   UPC CODE: 013803122756 (XF305), 013803122763 (XF300)

SPECIFICATIONS

SPECIFICATIONS		XF305	XF300
STANDARD DEFINITION OR HIGH DEFINITION		High Definition	
POWER SUPPLY (RATED)		7.4V DC (battery pack)	
VIDEO RECORDING SYSTEM	COMPRESSION	MPEG-2 Long GOP, Color Space: 4:2:2 (at 50Mbps recording)	
	FILE FORMAT	MXF	
	RECORDING MODES:	50Mbps (CBR) 4:2:2, 1920x1080, (60i / 30p / 24p), 1280x720 (60p / 30p / 24p); 35Mbps (VBR) 4:2:0, 1920x1080 (60i / 30p / 24p), 1280x720 (60p / 30p / 24p); 25Mbps (CBR) 4:2:0, 1440x1080 (60i / 30p / 24p)	
AUDIO RECORDING SYSTEM		2-Channel, PCM digital recording, 16-Bit; 48kHz	
IMAGE SENSOR		(3) 1/3-inch CMOS	
TOTAL PIXELS		Approx. 2.37 megapixels (2044 x 1160 pixels) each x 3	
EFFECTIVE PIXELS		Approx. 2.07 megapixels (1920 x 1080 pixels)	
MAXIMUM RECORDING TIME		64GB Compact Flash (CF) card. Greater capacity is possible when two cards are used. 25Mbps: 310 minutes, 35Mbps: 225 minutes, 50Mbps: 160 minutes	
LENS		Canon 18x HD L Series Zoom, 4.1-73.8mm (35mm equivalent 29.3 - 527.4mm), f / 1.6-2.8	
FOCUSING SYSTEM		TVAF plus External Phase Difference Metering Sensor, Autofocus (Instant AF, Normal AF, Face AF), Manual, Full Manual	
MAX SHUTTER SPEED		1/2000	
MINIMUM FOCUSING DISTANCE		20 mm (wide macro), 1 m (entire zoom range)	
WHITE BALANCE		Auto, Manual, Custom (2000K - 15000K in 100K increments), Daylight, Tungsten	
FRAME RATES		60i, 60p, 30p, 24p (50i, 50p and 25p optional upgrade available through Canon Factory Service Center)	
MINIMUM ILLUMINATION		Full AUTO mode: 4.5 lux (Shutter speed 1 / 60, Gain +21dB); Manual mode: 0.8 lux (Shutter speed 1 / 4, Gain +33dB), (when 60i is selected)	
GENLOCK TERMINAL		BNC (input only)	—
HD / SD-SDI TERMINAL		BNC (output only), with embedded audio	—
TIME CODE TERMINALS		BNC (input / output)	—
IMAGE STABILIZATION		SuperRange Optical (Lens Shift) Modes: Standard, Powered, Dynamic, Off	
FILTER DIAMETER		82 mm	
VIEWFINDER		0.52-inch color widescreen, Approx. 1,555,000 dots, Approx. 100% field of view	
LCD SCREEN		4.0-inch color widescreen LCD, Approx. 1,230,000 dots, Approx. 100% field of view	
MICROPHONE		Stereo electrect condenser microphone	
RECORDING MEDIA		CF Card : 2 Slots, Movie files only, SD Card: Still images, Custom Picture Data, Clip Metadata, Custom Settings	
USB TERMINAL		Mini-B USB 2.0 Hi-Speed	
VIDEO TERMINALS		Component: Output only. Composite: A / V terminal 3.5mm mini-jack, output only. BNC terminal, output only, signals can be output simultaneously through A / V terminal and BNC terminal	
AUDIO TERMINALS		XLR 3-pin jack (2) with phantom power, switchable between MIC / LINE	
HDMI TERMINAL		Yes (Type A)	
HEADPHONE TERMINAL		3.5 mm stereo mini-jack	
OPERATING TEMPERATURE RANGE		32 to 104° F (0 to 40° C), 85% relative humidity	
DIMENSIONS		Approx. 6.0 x 9.3 x 15.0 in. (153 x 236 x 382 mm) (not including lens hood, eyecup, grip belt)	
WEIGHT (NOT INCLUDING LENS HOOD AND EYECUP)		5.9 lbs (2.67 kg) (includes grip belt)	5.8 lbs (2.63 kg) (includes grip belt)
WEIGHT		6.6 lbs (2.98 kg) (includes grip belt, lens hood, BP-955, CF Card (x1) and SD card / not including eyecup)	

OPTIONAL ACCESSORIES

	Item Code	Description
BATTERIES	0972B002	BP-970G Lithium Ion Battery Pack
	4587B002	BP-955 Lithium Ion Battery Pack
	4588B002	BP-975 Lithium Ion Battery Pack
ADAPTERS & CHARGERS	8029A002	CA-920 Compact Power Adapter
	4589B002	CA-930 Power Adapter
	8034A002	CB-920 Car Battery Adapter
CABLES & CORDS	4590B001	DC-930 Cable
	3067A002	STV-250N Mini Plug to RCA
REMOTE CONTROL	3089A002	ZR-1000 Zoom Remote Control
	0973B002	ZR-2000 Zoom Remote Control
OTHER CAMCORDER ACCESSORIES	8033A001	DC-920 DC-Coupler
	1729B001	VL-10Li II Video Light
	0976B001	DTC-1000 D Component Cable
	0975B001	SBR-1000 Shooting Brace
	4592B001	TB-1 Tripod Adapter Base
	4591B001	WA-H82 Wide Attachment Lens

18x HD L-Series Lens

Inspired by the same high level of optical precision used in Canon's professional broadcast and photographic lenses, the Canon XF305 and XF300 Professional Tapeless HD Camcorders incorporate a Genuine Canon 18x HD L-Series lens that features a wide and impressive zoom range of 29.3 – 527.4mm (35mm equivalent), and Canon's SuperRange Optical Image Stabilization. The lens incorporates High Index – Ultra-Low Dispersion (HI-UD) and aspherical elements to minimize chromatic aberration while delivering a resolution of 1,000 TV lines. For pulling focus, this outstanding lens also includes a Full Manual Focus Mode with Mechanical Hard Stops and focus distance markers for easy and repeatable results.

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For more info:
Call 1-800-567-8481 or 416-690-1690
www.videolink.ca