

Sony PMW-300K1 XDCAM HD Camcorder



Rating: 3.0

Price:

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 3,599.00

Discount:



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Manufacturer: [Sony](#)

Description

Product Highlights

- 1/2" Exmor Full HD 3CMOS Sensor
- MPEG HD422 at 50Mbps
- Fujinon Lens with 14x Zoom
- Interchangeable Lens Mount System
- 3.5" 960 x 540 Color LCD Viewfinder
- Dual ExpressCard/34 SxS Memory Slots
- SD/HD-SDI & HDMI Outputs
- Four Channels of 24-bit 48kHz Audio
- Semi-Shoulder Mount Design
- Timecode, Genlock, USB 2.0 Interfaces

Imaging Device

Minimum Illumination

Optical System

Effective Picture Elements

Signal to Noise Ratio

Sensitivity

Shutter Speed

Slow Shutter

Slow & Quick Motion Function

Gain Selection

White Balance

Built-in ND Filter

Recording

Video Recording Format

Audio Recording Format

Recording Frame Rate

3-chip 1/2" Exmor Full HD CMOS

0.02 lx (typical) (1920 x 1080/59.94i mode, f/1.9, +18 dB gain, with 64-frame accumulation, Gamma on, 50% video level)

f/1.6 prism system

1920 x 1080 (HxV)

60 dB (Y) (typical)

2000 lx, 89.9° reflectance: f/11 (typical), 1920 x 1080/59.94i mode

1/32 to 1/2000 second

2, 3, 4, 5, 6, 7, 8, 16, 32, and 64 frame accumulation

720p: 1 to 60 fps

1080p: 1 to 30 fps

-3, 0, 3, 6, 9, 12, and 18 dB, AGC

Preset (3,200 K), Memory A, Memory B/ATW

Clear, 1/4 ND, 1/16 ND, 1/64 ND

MPEG-2 Long GOP

HD 422 mode: CBR, 50 Mbps, MPEG-2 422P@HL

HQ mode: VBR, 35 Mbps maximum, MPEG-2 MP@HL

SP mode: CBR, 25 Mbps, MPEG-2 MP@H-14

SD mode: MPEG IMX, DVCAM

UDF

HD 422 50 mode: LPCM 24 bits, 48 kHz, 4 channels

HD 420 HQ mode: LPCM 16 bits, 48 kHz, 4 channels

SD MPEG IMX mode: LPCM 16/24 bits, 48 kHz, 4 channels

SD DVCAM mode: LPCM 16 bits, 48 kHz, 4 channels

FAT

HD mode: LPCM 16 bits, 48 kHz, 4 channels

SD DVCAM mode: LPCM 16 bits, 48 kHz, 2 channels

UDF

HD 422 50 mode:

1920 x 1080/ 59.94i, 50i, 29.97p, 25p, 23.98p

1280 x 720/ 59.94p, 50p, 29.97p, 25p, 23.98p

HD 420 HQ mode:

1920 x 1080/ 59.94i, 50i, 29.97p, 25p, 23.98p (requires version up)

1440 x 1080/ 59.94i, 50i, 29.97p, 25p, 23.98p,

1280 x 720/ 59.94p, 50p, 23.98p (2-3 pull down)

SD mode:

720 x 480/ 59.94i, 29.97PsF

720 x 576/ 50i, 25PsF

FAT

HD 420 HQ mode:

1920 x 1080/ 59.94i, 50i, 29.97p, 25p, 23.98p

1440 x 1080/ 59.94i, 50i, 29.97p, 25p, 23.98p

1280 x 720/ 59.94p, 50p, 29.97p, 25p, 23.98p

HD SP 1440 mode:

1440 x 1080/ 59.94i, 50i, 23.98p (2-3 pull down)

SD DVCAM mode:

720 x 480/ 59.94i, 29.97PsF

Recording Media	720 x 576/ 50i, 25PsF
Recording/Playback Time	SxS Express 34 Cards
	UDF
	HD 422 50 / SD MPEG IMX mode:
	Approx. 120 min with 64 GB memory card
	Approx. 60 min with 32 GB memory card
	Approx. 30 min with 16 GB memory card
	HD 420 HQ mode:
	Approx. 180 min with 64 GB memory card
	Approx. 90 min with 32 GB memory card
	Approx. 45 min with 16 GB memory card
	SD DVCAM mode:
	Approx. 220 min with 64 GB memory card
	Approx. 110 min with 32 GB memory card
	Approx. 55 min with 16 GB memory card
	FAT
	HD HQ mode:
	Approx. 200 min with 64 GB memory card
	Approx. 100 min with 32 GB memory card
	Approx. 50 min with 16 GB memory card
	HD SP mode:
	Approx. 280 min with 64 GB memory card
	Approx. 140 min with 32 GB memory card
	Approx. 70 min with 16 GB memory card
	SD DVCAM mode:
	Approx. 260 min with 64 GB memory card
	Approx. 130 min with 32 GB memory card
	Approx. 65 min with 16 GB memory card
Inputs/Outputs	
Genlock Input	1 x BNC (switchable to video out), 1.0 Vp-p, 75 ohm
Timecode Input	1 x BNC (switchable to TC out) (SMPTE 12M-2-2008 standard, 0.5 V to 1.8 Vp-p, 10 kilo-ohm)
Audio Input	2 x XLR-type 3-pin (female), line/mic/mic +48 V selectable
HDMI Output	1 x A-type
SDI Output	2 x BNC, HD-SDI/SD-SDI selectable
Composite Video Output	BNC type
Video Output	1 x BNC, (switchable to Genlock In), HD-Y / Composite switchable, 1.0 Vp-p, 75 ohm
TC Output	1 x BNC (switchable to TC in) (SMPTE 12M-2-2008 standard, 0.5 V to 1.8 Vp-p, 10 kilo-ohm)
Headphone Output	1 x Stereo mini-jack
Speaker Output	Monaural
Lens Remote Control Connector	8-pin, round
Remote	8-pin
Built-In Microphone	Omni-directional stereo electret condenser microphone
DV I/O (i.LINK)	1 x IEEE-1394, 4-pin, HDV (HDV 1080i) / DV input/output, S400
USB Port	1 x USB 2.0, mini-B type
	1 x USB host, Type A
Lens	
Focal Length	5.8 to 81.2 mm
	35mm equivalent: 31.4 to 439 mm
Zoom Ratio	Optical 14x
Aperture	f/1.9 to f/16 and close
Lens Mount	1/2-type EX mount
Filter Diameter	77 mm, pitch 0.75 mm
Monitoring	
Viewfinder	3.5" color LCD monitor
	960 x 540 (HxV)
General Specifications	
Media Type	2 x ExpressCard/34
Battery Operating Time	Approx. 3.6 hrs with BP-U90 battery (while recording, with viewfinder, I/O Select Off)
Power Requirements	12 VDC
Power Consumption	Approx. 20 W (while recording, with viewfinder, IO Select off)

Camcorder : Sony PMW-300K1 XDCAM HD Camcorder

Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Dimensions (WxHxD)	10.8 x 9.4 x 15.1" (27.5 x 23.9 x 38.4 cm)
Weight	4.88 lb (2.21 kg)
Packaging Info	
Package Weight	13.3 lb
Box Dimensions (LxWxH)	16.3 x 14.2 x 12.8"