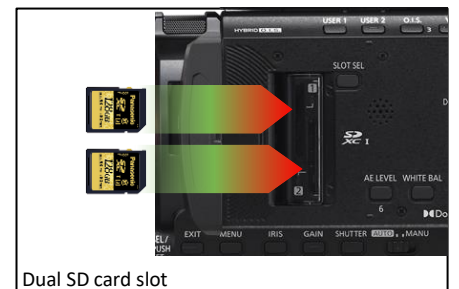




24x optical zoom



Built-in fan



Dual SD card slot

4K CAMCORDER FOR PROFESSIONAL USE

X1600

SEMI-PROFESSIONALS
4K CAMCORDER

HC-X1600E

EAN 5025232972951 | RRP 1.699,00 €

Customs no.: 85076000900

Country of origin: China (CN)

Packaging: 32,8 x 28,2 x 21,4 cm / 2,27 kg

Semi-professional 4K camcorder – compact and lightweight with 60p recording, 25mm wide-angle lens with 24x optical zoom and large OLED viewfinder.

As a very compact 4K 60p camcorder, the X1600 offers the mobility and portability to meet a wide range of demands and requirements. It records in 4K at 60fps and Full HD even at up to 120fps for perfect slow motion. The universal lens offers a 24x optical zoom with an initial focal length of 25mm. In addition to the three-stage ND filter, it also offers two adjustment rings for quick manual operation of focus, zoom or iris.

The highest quality standards for the image are met by recording with 4:2:2 10-bit color depth at 4K 30p. With the integrated WiFi, it can also stream the recordings live in HD to the internet.

Compact and lightweight – 4K 60p Camcorders with maximum mobility

Best recording quality – 4K 30p 4:2:2 10Bit/ 4K 60p 4:2:0 10Bit/ FHD 120p slow motion

High-performance lens – 25mm wide, F1.8-4 and 24x optical zoom

Perfect image controls– 1,77dots OLED viewfinder and 3.5-inch LCD monitor 2.76dots

Professional operation – ND filter/ 2 SD card slots/ WiFi/ Full HD Live Streaming

Pro Features – Waveform, Vectorscope, Zebra Pattern, Chroma Level and more

SENSOR		
Sensor	1/2.5-inch MOS sensor	
Effective pixels	8,29 megapixel	
LENS		
Lens	Panasonic lens; F1.8-F4.0; 62mm filter diameter	
Zoom	24x optical / max. 48x i.Zoom (UHD 32x) / max. 10x Digital Zoom	
Focal length	25-600mm (35mm)	
CAMERA		
Minimum illumination	1,5 lx (F1.8, Super Gain +, 1/30 Sec.)	
Focus	Auto / Manual	
ND filter	Clear, 1/4, 1/16, 1/64	
IR filter	ON/OFF control function	
White balance	Auto / ATW LOCK / 3200K / 5600K / VAR (2000K—15000K) / Ach Fixed / Bch Fixed	
Iris	Auto / Manual	
Image Stabilizer	Ball O.I.S., 5-Axis HYBRID O.I.S. (UHD/FHD)	
Professional Assist Functions	Waveform / Vector Scope / Flash Band Correction / Level Gauge / Zebra Pattern / Luminance Level	
Professional Image Adjustment	8-Mode Gamma / Scene Files / Soft Skin / Master Detail / Color Correction / Knee point / Chroma Level / Chroma Phase / Color Temperature / Master Pedestal	
Shutter speed	59.94 Hz	60i/60p: 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 30p: 1/30, 1/50, 1/60, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 24p: 1/24, 1/48, 1/50, 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000
	50.00 Hz	50i/50p: 1/50, 1/60, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 25p: 1/25, 1/50, 1/60, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000
Slow shutter speed	59.94 Hz	60i/60p: 1/8, 1/15, 1/30 30p: 1/8, 1/15 30p: 1/6, 1/12
	50.00 Hz	50i/50p: 1/6, 1/12, 1/25 25p: 1/6, 1/12
Slow motion	59.94 Hz	FHD 120fps: (Speed: 1/2 bei 60p, 1/4 bei 30p, 1/5 bei 24p)
	50.00 Hz	FHD 100fps: (Speed: 1/2 bei 50p, 1/4 bei 25p)
IR (Infrared) Shooting		yes
WiFi	Standard	IEEE 802.11b/g/n
	Frequency	2.4GHz/5GHz band
Memory		Double Card Slot SDHC/SDXC
2-Slot Function		Relay recording, simultaneous recording, background recording (only FHD MOV/MP4)
Video codec		MOV/MP4: H.264/MPEG-4 AVC High Profile, H.265/MPEG-H HEVC Main10 Profile, AVCHD: H.264/MPEG-4 AVC High Profile
Audio codec		MOV: LPCM (48kHz/24bit 2ch), MP4: AAC (48kHz/16bit 2ch), AVCHD: Dolby Audio (48kHz/16bit 2ch)
System frequency		59.94Hz / 50.00Hz
Recording / Playback	MOV (HEVC)	[4:2:0 10Bit] UHD 3840x2160 59.94p(50.00p, max. 200Mbps (VBR)
	MOV	[4:2:0 8Bit] UHD 3840x2160 59.94p/50.00p 420 LongGOP 150M: max 150Mbps (VBR) [4:2:2 10Bit] UHD 3840x2160 29.97p/25.00p/23.98p 422 LongGOP 150M: max. 150Mbps (VBR) FHD 1920x1080 59.94p/50.00p ALL-I 200M: max. 200Mbps (VBR)
	MP4 (HEVC)	[4:2:0 10Bit] UHD 3840x2160 59.94p/50.00p HEVC LongGOP 100M: max. 100Mbps (VBR)
	MP4	[4:2:0 8Bit] UHD 3840x2160 29.97p/25.00p/23.98p 420 LongGOP 72M: max. 72Mbps (VBR) FHD 1920x1080 59.94p/50.00p/23.98p/59.94i*/50.00i* 420 LongGOP 50M: max. 50Mbps (VBR) <i>*after firmware update</i>
	AVCHD	[4:2:0 8bit] PS 1920x1080 59.94p/50.00p: max. 25Mbps (VBR)
LIVE STREAMING		
Format	H.264, FHD 1920x1080 60p, 24Mbps, AAC-LC, 48 kHz/16 bit, 2ch	
Streaming method	Unicast, Multicast, RTSP/RTP/RTMP/RTMPS	
GENERAL		
Power Supply	7.28V (Battery); 9.0V (DC IN) / Recording: 12.3W, Charging: 15.5W	
Size (W x H x D)	Approx. 129 x 93 x 267 mm , approx. 0,85 kg (without lens hood, battery, SD card), Shooting: approx. 1,2 kg	
LCD monitor	8.8 cm (3.5-inch) Wide LCD Monitor (2.760.000 dots)	
Viewfinder	1,0 cm (0.39-inch), 1.770.000 dots	
Manual ring	Focus / Zoom or Iris	
Accessory shoe	yes	
HDMI	Type A	
Built-in microphone	Stereo microphone	
Microphone jack	3,5mm stereo / XLR 2x optional with handle VW-HU1	
Headphone jack	3.5 mm stereo mini jack x 1	
Speaker	15 mm diameter	
Remote function (optional)	2.5mm super mini jack x 1 (ZOOM S/S) / HCROP App	
USB	Typ-C USB 2.0	
Standard accessories	Li-Ionen battery (5.900mAh), eye cap, lens hood	