MediCam Plus LT
DIGITAL CAMERA

inventis

DESCRIPTION

MediCam Plus LT is a high quality, digital video camera dedicated to video endoscopy applications, directly connectable to any Windows computer through USB port.

SENSOR SPECIFICATIONS

Type:	CMOS
Manufacturer:	E2V®
Resolution:	960 x 720 pixels
Pixel size:	5.3 x 5.3 µm
Shutter type:	global

TIMINGS

Frame rate: up to 25 fps
Exposure: 40 µs ÷ 40 ms

CAMERA CONTROLS

Exposure control: automatic
Gain control: automatic
White balance: automatic, with possibility of manually adjusting the red, green and blue components.
Edge enhancement: 2 levels available

INTERFACE

Computer connection: through USB 2.0
Cable length: 295 cm / 115 in.

CONSUMPTION

Maximum rating: 230 mA at 5 Vdc
The power is directly supplied from the USB port of the computer

MECHANICS

Video adapter mount: C-mount
Size (WxHxD): 37 x 40 x 67 mm / 1.5 x 1.6 x 2.6 in
Weight: 115 g / 4 oz. (including the cable)

FREIGHT PACKING

Size: 30 x 28 x 9 cm / 12 x 11 x 3.5 in
Gross weight: 800 g / 1.8 lb

APPLICABLE STANDARDS

IP classification: IPX0 – The camera is not sterilizable
Electrical safety: IEC 60601-1
EMC: IEC 60601-1-2
Endoscopic equipment safety: IEC 60601-2-18

MDR CLASSIFICATION

MDR (EU) 2017/745 classification: Class I without a measuring function
Classification rule (Annex VIII, MDR (UE) 2017/745): 13

FDA

Device Class: 1
Product Code: FWG
Regulation Number: 878.4160

REQUIRED SOFTWARE

MediCam Plus LT does not work with standard video software (e.g., Windows Movie Maker). You must install Maestro to use the camera.

Maestro software is compatible with Noah 4.

Without Maestro video acquisition license (optional), or when used with Noah, MediCam Plus LT can only grab frames and it cannot record videos.

MAIN CHARACTERISTICS OF VIDEO ACQUISITION

- Video and audio acquisition with real time encoding in MPEG-2 format
- Still frame capture
- Acquisition operation also through USB footswitch
- Text overlay capabilities
- Windowing function
- Possibility to save different camera setups (white balance parameters, used window, etc.) to fit different light sources

MINIMUM COMPUTER REQUIREMENTS

Processor:
Desktop PC: 3rd generation Intel® Quad Core i5
Laptop PC: 3rd generation Intel® Quad Core i7
RAM: 8 GB
Display resolution: 1280x1024 (4:3) or 1366x768 (16:9)
Operative system: Windows 7 SP1-8-10, 32 or 64 bits
USB 2.0 Port

PRODUCT CODES

11421 MediCam model Plus LT- Medical digital camera, res. 960x720

INCLUDED PARTS

- MediCam with USB connection cable
- Protective cap
- User manual
- Software Suite
- USB footswitch
- Carrying case

OPTIONAL PARTS (with order code)

- 11398: Maestro video license
- 10028: Extension cables (5 mt) for MediCam camera and footswitch
- 10421: Endocoupler, C-mount, f=21 mm, soakable
- 10326: Endocoupler, C-mount, f=28 mm, soakable

MediCam is developed by Inventis s.r.l.
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The Inventis Quality System complies with ISO 13485 standard.