



MediCam Plus LT

DIGITAL CAMERA

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®
 Sensor size: 1/3"
 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 (WxDxH): 37 x 67 x 40 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

93/42/EEC classification: Class I without measurement functions
 IP classification: IPX0 – The camera is not sterilizable
 Electrical safety: EN 60601-1
 EMC: EN 60601-1-2

FDA

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

MediCam is developed by Inventis s.r.l.

info@inventis.it



The Inventis Quality System complies with ISO 13485 standard.

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

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

OPTIONAL ACCESSORIES (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