



M-CAM 1700

DIGITAL VIDEO CAMERA 1-CCD
Made in Germany



option:
camera head with control buttons

M-CAM 1700

DIGITAL VIDEO CAMERA

optional:



IEEE 1394-DV output



RGB video output

- high video image quality
- natural colour reproduction for all endoscopic requirements
- for rigid, flexible and micro endoscopes

M-CAM 1700

M-CAM 1700 represents the new economy for single-chip CCD-cameras for endoscopic applications.

Full digital signal processing guarantees true colour reproduction with outstanding features and options. A 1/3" high resolution CCD-chip and a fast acting control electronic ensure best image quality, high clarity and sharp detailed reproduction.

The high-sensitive microlens CCD and a highspeed-shutter allow optimal image display under extreme illumination situations.

Different options increase the variety of different applications. Camera head (not connector) can be immersed in a disinfectant solution.

WHITE BALANCE

White Balance is done automatically via push-button.

WINDOW FUNCTION

Window Function is programmed for different brightness measurement fields in case of difficult illumination conditions.

BOOST FUNCTION

BOOST function is used under low illumination conditions to gain the brightness of the image.

IEEE 1394-DV OUTPUT (optional)



M-CAM 1700-D is equipped with an IEEE 1394 output. The camera can be connected directly to a PC (with OHCI compatible controller) to store video files or images with standard software.

RGB-OUTPUT (only -RGB version)



M-CAM 1700-RGB has an additional RGB output for best colour reproduction.

MODELS

M-CAM 1700 Basic version with White Balance, WINDOW and BOOST function

M-CAM 1700-D + IEEE 1394 output

M-CAM 1700-M Instead of BOOST function the M-CAM 1700-M is available with electronical ANTI-MOIRÉ-Filter which avoids MOIRÉ-effects when working with flexible fibre endoscopes.

M-CAM 1700-F M-CAM 1700-F is equipped with a FREEZE-Board to freeze the actual image on the monitor.

M-CAM 1700-RGB + RGB output

AVAILABLE OPTION

-R All M-CAM 1700 are available with Remote push buttons on the camera head. They can be used to control camera function or remote connected units (Sony video printer / video recorder).

TECHNICAL DATA

Video system	PAL / NTSC
CCD sensor	1/3" with 440.000 pixel
Video resolution	470 TV-lines
Shutter control	automatic
Shutter range	1/50 sec - 100.000 sec
Sensitivity	0,9 lux (f=1,4)
Outputs	1 x Y/C, 1 x VBS
Power supply	110/115 VAC or 230/240 VAC (M-CAM1700-F: 100 -240 VAC)
Dimensions (WxHxD)	CCU: 176 x 72 x 202 mm (M-CAM1700-F: 353 x103 x 253 mm) Head: 29 x 58 mm
Weight	CCU: 1,6 kg (M-CAM1700-F: 3,5 kg) Head: 65 g
Head	C-Mount thread immersable 3 meter, high flexible
Class / Type	1 / BF
Manufactured and tested acc.	IEC 601-1 / CE EN 60601-1 93/42 ECC

Delivery contains

CCU, camera head with 3 meter cable
Mains cable
Y/C cable
BNC cable
User manual
Remote cable (only -R version)
IEEE 1394 cable (only -D version)
RGB cable (only -RGB version)