



M-CAM 2400

**DIGITAL VIDEO CAMERA 1-CCD**  
Made in Germany

## **M-CAM 2400**

### **DIGITAL VIDEO CAMERA**

optional:



IEEE 1394-DV output



USB-capture system integrated



RGB video output

- professional image quality
- natural colour reproduction
- on-screen-menu



option:  
camera head with control buttons

## M-CAM 2400

**M-CAM 2400** represents the center of our range of 1-CCD-cameras for endoscopic applications. Full digital signal processing guarantees true colour reproduction and outstanding image quality. A high sensitive, high resolution 1/3" CCD ensures high clarity and sharp detailed images for every endoscopic application. It is easy and flexible to use. The **M-CAM 2400** can be adjusted individually via integrated On-Screen-Menu.

Camera head is very small and light-weight. It can be immersed in disinfectant solution for sterilisation (using attached cap).

### 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. Size can be adjusted via On-Screen-Menu.

### ON-SCREEN-MENU

Camera settings (like contrast, brightness, window size) can be made in the On-Screen-Menu. Settings are stored in memory.

### FREEZE FUNCTION (only -F version)

M-CAM 2400-F can freeze the image on the screen via remote buttons on the camera head or foot switch (optional).

### USB-CAPTURE SYSTEM (only -USB version)



M-CAM 2400-USB contains a capture system to store images easily on a standard USB-Flash-Stick. The files can be exported in several standard formats to a PC.

### IEEE 1394-DV OUTPUT (optional)



M-CAM 2400-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 2400-RGB has an additional RGB output for best colour reproduction.

## MODELS

- M-CAM 2400** Basic version
- M-CAM 2400-D** + IEEE 1394 output
- M-CAM 2400-USB** + USB-Stick capture system
- M-CAM 2400-F** + Freeze-board and Remote camera head
- M-CAM 2400-RGB** + RGB output

## OPTIONS

- R** Remote camera head to control front panel functions or external video devices
- S** Foot switch (only for -USB and -F versions)

## 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 - 1/100.000 sec
Sensitivity	0,9 lux (f=1,4)
Outputs	2 x Y/C, 2 x VBS 1 x IEEE 1394 (only -D version) 1 x RGB video (only -RGB version)
Settings	On-Screen-Menu
Power supply	100 - 240 VAC
Dimensions (WxHxD)	CCU 353 x 103 x 253 mm Head 29 x 58 mm
Weight	CCU 3,5 kg Head 65 g
Head	C-Mount thread, immersable 3 meter, high flexible cable
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  
IEEE 1394 cable (only -D version)  
Remote cable (only -R version)  
USB-Flash stick (only -USB version)  
RGB cable (only -RGB version)