



M-CAM 3500

DIGITAL VIDEO CAMERA 3-CCD

Made in Germany

M-CAM 3500

with digital zoom 100% - 150%

optional:

Digital Video Output IEEE-1394 or SD-SDI

- high-end video image quality
- natural colour reproduction
- on-screen-menu
- remote camera head
- new high-sensitive-CCD
- electronical zoom
- high speed shutter
- character generator
- flex filter

M-CAM 3500

M-CAM 3500 is a 3-CCD video camera of the latest generation with excellent image quality and outstanding colour reproduction for professional requirements. The **M-CAM 3500** can be used for every endoscopic application with high demands. It is easy and flexible to use.

Via multifunctional push-buttons on the camera head it is possible to remote more than two camera functions.



The **M-CAM 3500** can be adjusted individually via integrated On-Screen-Menu. Settings are stored in an internal memory. High speed, complete digital image processing, separated for red, green and blue colour channels, enables high end image quality.

M-CAM 3500 camera head is very small and light weightedly designed. A wide range of different TV-Adapters can be attached to the C-Mount thread to choose the best focus length to the procedure.

DIGITAL ZOOM

100-150% switch able up to 49 steps

FLEX FILTER

This electronically FLEX Filter avoids MOIRÉE Effects when working with flexible fibre endoscopes.

ON-SCREEN-MENU

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

3 USER SETTINGS STORABLE

AREA FUNCTION

Is a multitude of different brightness measurement fields. Quantity of measurement fields and form of this area is changeable. This Function controls the Shutter-Level for best illuminated picture.

STERILISATION

Camera head with cable and connector (using attached cap) can be immersed in a disinfectant solution.

CHARACTER GENERATOR

Creates on-screen-information on all video outputs by using standard PS2 keyboards (keyboard optional)

DIGITAL VIDEO OUTPUT

M-CAM 3500-D is equipped with an digital video output. With IEEE-1394 the camera can be connected directly to a PC (with OHCI compatible controller) to store videoages with standard software. **M-CAM 3500-SDI** output enables a low loss digital connection to other video equipment by using a single cable.

MODELS

- M-CAM 3500** Basic version
- M-CAM 3500-D** include IEEE 1394
- M-CAM 3500-SDI** include SD-SDI output

TECHNICAL DATA

Video system	PAL
CCD sensor	3 x 1/3" with 440.000 active pixel
Video resolution	850 TV-lines horizontal
Shutter control	1/50 to 1/50000
S/N	63 db
Sensitivity	< 1lx
Video system	NTSC
CCD sensor	3 x 1/3" with 380.000 active pixel
Video resolution	800 TV-lines horizontal
Shutter control	1/60 to 1/50000
S/N	64 db
Sensitivity	< 1lx
Outputs	1 x RGB/ COMP 2 x Y/C (only 1x Y/C at -D/ SDI version) 2 x CVBS 1 x IEEE 1394 output (only -D version) 3 x SD-SDI output (only -D version)
Settings	On-Screen-Menu
Power supply	100 - 240 VAC
Dimensions (WxHxD)	CCU 353 x 103 x 253 mm Head 30 x 40 x 68 mm
Weight	CCU 4,7 kg Head 115 g
Head	C-Mount thread, immersable two push-buttons for remote high flexible cable: 3 meter (6,5 meter optional)
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
RGB cable, Y/C cable, BNC cable
User manual
IEEE-1394 cable (only -D version with IEEE-1394 output)