

DIGITAL VIDEO CAMERA 1-CCD

Made in Germany

ecoCAM X



option:
camera head with control buttons

DIGITAL VIDEO CAMERA

ecoCAM X

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

ecoCAM X

ecoCAM X 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.

■ ANTI-MOIRÉE-FILTER

For using flexible fibrescopes the electronic Anti-Moirée-filter increases image quality by decreasing matrix-effects.

MODELS

ecoCAM X	Basic version with White Balance, WINDOW and BOOST function
ecoCAM X-F	ecoCAM X-F is equipped with a FREEZE-Board to freeze the actual image on the monitor. ecoCAM X-F comes in a little bigger housing.

AVAILABLE OPTION

All ecoCAM X are available with Remote push buttons on the camera head. They can be used to control camera function.

DIGITAL 1-CCD VIDEO CAMERA

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 (ecoCAM X-F: 100 -240 VAC)
Dimensions (WxHxD)	CCU: 176 x 72 x 202 mm (ecoCAM X-F: 353 x 103 x 253 mm) Head: 29 x 58 mm
Weight	CCU: 1,6 kg (ecoCAM X-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

Accessories

TV-Adapter / Rigid endoscopes (with Quick-Lock)
Fixed focus length f: 15mm / f: 21mm / f: 28mm /
f: 35mm / f: 40mm

Zoom f: 15 - 25mm / f: 25 - 40mm

Beamsplitter f: 25mm / f: 30mm

TV-Adapter / Flexible Fibre endoscopes
Fixed focus length f: 15mm / f: 21mm / f: 28mm
available for OES / Fuji / Pentax

Delivery contains

CCU, camera head with 3 meter cable
Mains cable
Y/C cable
BNC cable
User manual

