

DIGITAL VIDEO CAMERA 1-CCD

Made in Germany

SwiftCAM X



option:
camera head with control buttons

DIGITAL VIDEO CAMERA

Swift **CAM** X

optional:

- IEEE 1394-DV output
- USB-capture system integrated

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

SwiftCAM X

SwiftCAM X 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 SwiftCAM X 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)

SwiftCAM X-F can freeze the image on the screen via remote buttons on the camera head or footswitch (optional).


■ USB-CAPTURE SYSTEM (only -USB version)

 SwiftCAM X-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 (only -D version)

 SwiftCAM X-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)

 SwiftCAM X-RGB has an additional RGB output for best colour reproduction.

MODELS

SwiftCAM X:	Basic version
SwiftCAM X-D:	+ IEEE 1394 output
SwiftCAM X-USB	+ USB-Stick capture system
SwiftCAM X-F:	+ Freeze-board and Remote camera head for Freeze/Live control
SwiftCAM X-RGB	+ RGB output

OPTIONS

Remote camera head to control front panel functions or external video devices

Footswitch (only for -USB and -F versions)

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 - 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

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
IEEE 1394 cable (only -D version)
Remote cable (only -R version)
USB-Flash stick (only -USB version)
RGB cable (only -RGB version)

