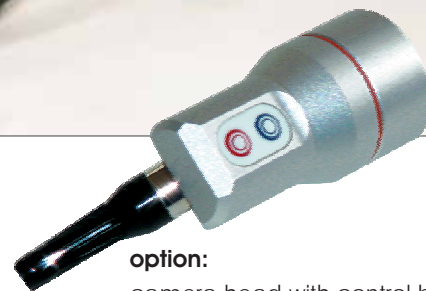


# DIGITAL VIDEO CAMERA 1-CCD

Made in Germany

StarCAM X



option:  
camera head with control buttons

## DIGITAL VIDEO CAMERA

**STARCAM X**

optional:  
anti-moirée-filter

📡 IEEE 1394-DV output

🔌 USB-capture system integrated

- digital signal processing
- natural colour reproduction
- easy to use

# STARCAM X

StarCAM X is an economical 1-CCD camera system for all endoscopic applications. Full digital signal processing guarantees true colour reproduction and high contrast. A high sensitive, high resolution 1/3" CCD ensures high clarity and sharp detailed images. Basic functions are preadjusted for easy and flexible use. The small camera head (using the attached cap) and cable can immersed in disinfectant solutions for sterilisation.

## ■ 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

In case of low illumination, the image brightness can be gained with the BOOST function.

## ■ ANTI-MOIRÉE-FILTER

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

## ■ FREEZE FUNCTION (only -F version)

StarCAM X-F can freeze the image on the screen controlled with a push button on the front panel. Optional remote via camera head push buttons or footswitch.

## MODELS

StarCAM X	Basic version
StarCAM X-F	+ Freeze-board

## OPTIONS

-R	Remote camera head to control front panel functions, external video devices, freeze function (only -F version) or USB capture system
-S	Footswitch (only for -USB and -F versions)

## DIGITAL 1-CCD CAMERA-SYSTEM

### Technical Data

Video system	PAL / NTSC	
CCD sensor	1/3" (440.000 pixel) 752 (H) x 582 (V)	
Video resolution	470 TV-lines	
Shutter range	1/50 sec - 1/100.000 sec	
Sensitivity	0,9 lux (f=1,4)	
Outputs	1 x Y/C (S-VHS), 1 x VBS (VHS) 1 x IEEE1394 (only -D version)	
Power supply	100 - 240 VAC	
Dimensions (W x H x D)	CCU	355 x 103 x 253 mm
	Head	29 x 58 mm
Weight	CCU	3,5 kg
	Head	65 g
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  
Remote cable (only -R version)  
IEEE 1394 cable (only -D version)

