

# LIGHT SOURCE - CAMERA COMBINATION

Made in Germany

XE-180-CCD



XE-100-CAM

**XE-100-CCD**  
**XE-180-CCD**  
**XE-100-CAM**  
**XE-180-CAM**

- high-intensity xenon light source
- daylight quality (5.900°k)
- space saving compact design
- reliable components
- wide application range
- remote camera head (option)

## XE-100-CCD / XE-180-CCD / XE-100-CAM / XE-180-CAM

1/3" high resolution sensor of the latest generation. Individual camera settings via **ON-SCREEN-MENU** (only -CCD versions).

Preadjustments (on -CAM) for **WINDOW** function and **ANTI-MOIRÉE-Filter**.

**WINDOW** function for partial brightness measurement under difficult illumination situations.

**ANTI-MOIRÉE-Filter** (electronical) to reduce matrix-effects while working with flexible fibrescopes.

This videoprocessor series combines powerful XENON light sources with full digital processing 1-CCD cameras. Space saving compact design. XENON light source with high energy reflector lamps, optimized for endoscopic applications. Exchangeable light guide adapter for use of different light guide systems. High resolution digital CCD camera system for best image quality. Different camera options to meet every demand. Maximum flexibility with exchangeable C-Mount adapters and individual adjustments over On-Screen-Menu (only -CCD version).

### ■ CAMERA HEAD

Light weight C-Mount camera head with ergonomical design. Various range of TV-Adapters (Zoom-Adapters, Beamsplitters, Microscope-Adapters) can be attached. Camera head, cable and connector (using attached waterproof cap) can be immersed in a disinfectant solution.

### ■ LIGHT SOURCE

Powerful 100 or 180 Watt light source with XENON reflector lamps. Exchangeable adapters for different light guide systems. Direct focussing without lenses. Lamp change without any adjustments. Heat reflecting / infra-red filter. Motor driven, mechanical diaphragm for intensity control.

### MODELS

XE-100-...	100 Watt XENON lamp
XE-180-...	180 Watt XENON lamp
XE-...-CCD	ON-SCREEN-MENU / WHITE BALANCE / WINDOW (adjustable)
XE-...-CAM	WHITE BALANCE, WINDOW (preadjusted) / BOOST

### AVAILABLE OPTIONS

- Remote camera head for panel functions or video printer
- FREEZE function for image freezing
- Footswitch to control FREEZE function

## LIGHT SOURCE - CAMERA COMBINATION

### 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)
Video Outputs	1 x Y/C (S-VHS), 1 x VBS (VHS)
Lamp	<b>XE-100-...</b> XENON reflector lamp 100 Watt / 5.600 °K min. 500 hrs life time <b>XE-180-...</b> XENON reflector lamp 180 Watt / 5.600 °K min. 500 hrs life time
Power Supply	115 VAC or 230 VAC
Dimensions (WxHxD)	355 x 110 x 347 mm
Weight	CCU: 8 kg Camera 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

#### Glass fibre light guides

Lengths 1800, 2300, 3000, 5000 mm

Diameter 3,5 mm, 4,8 mm, 6 mm

#### Fluid light guides

Lengths 1800, 2300, 3000 mm

Diameter 5 mm

### Delivery contains

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

