

LIGHT SOURCE - CAMERA COMBINATION

Made in Germany

XE-30-eco X



XE-50-eco X

XE-30-eco X **XE-50-eco X**

- space saving - compact design
- reliable components
- wide application range
- remote camera head (option)
- low noise cooling system

XE-30-eco X / XE-50-eco X

CCD Video Camera 1/3" high resolution sensor of the latest generation. Boost function to light up image at low illumination.

Preadjusted functions for **WINDOW** function and **ANTI-MOIRÉE-Filter** (optional).

WINDOW function for partial brightness measurement under difficult illumination situations.

This videoprocessor series combines powerful light sources with full digital processing 1-CCD cameras. Space saving, super compact design. Light source with high efficiency reflector lamps, optimized for endoscopic applications. High resolution digital CCD camera system for best image quality. Different camera options to meet every demand.

■ CAMERA HEAD

Light weight C-Mount camera head with ergonomical design. Various range of TV-Adapters (Zoom-Adapters, Beamsplitters, Microscope-Adapters) can be attached. The camera head is immersable in disinfectant solutions.

■ LIGHT SOURCE

High efficiency XENON reflector lamp system. Direct focussing without lenses with very small focal spot for optimal coupling to the light guide. Heat reflecting / infra-red filter. Nearly noiseless lamp cooling.

MODELS

XE-30-eco X 24 Watt XENON lamp
White Balance, Window, BOOST

XE-50-eco X 50 Watt XENON lamp
White Balance, Window, BOOST

AVAILABLE OPTIONS

Electronical ANTI-MOIRÉE-Filter (instead of BOOST)

Remote camera head for panel functions or video printer

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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	: PAL 1/50 sec - 1/100.000 sec : NTSC 1/50 sec - 1/100.000 sec
Sensitivity	0,9 Lux (f:1,4)
Video Outputs	1 x VBS (VHS) - 1x BNC- camera through
Lamp	XE-30-eco X XENON metal halide short arc lamp, 24 Watt 5.500 °K colour temperature XE-50-eco X XENON metal halide short arc lamp, 50 Watt 5.500 °K colour temperature
Power Supply	115 VAC or 230 VAC
Dimensions (WxHxD)	294 x 69 x 250 mm
Weight	CCU: 4 kg Camera head: 65 g
Class	1
Manufactured and tested acc.	IEC 601-1 / EN 60601-1 CE 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
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Glass fibre light guides

Lengths	1800, 2300, 3000, 5000 mm
Diameter	3,5 mm, 4,8 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

