

LIGHT SOURCE - CAMERA COMBINATION

Made in Germany

HL-2250-CCD



HL-2250-CAM



HL-2250-eco X

HL-2250-CCD HL-2250-CAM HL-2250-eco X

- space saving - compact design
- reliable components
- wide application range
- remote camera head (option)
- two lamp - two output system

HL2250-CCD / HL2250-CAM / HL2250-eco X

CCD Video Camera 1/3" high resolution sensor of the latest generation. Individual camera settings via **On-Screen-Menu** (only -CCD version).

Preadjusted functions (on -CAM and -eco V versions) for **WINDOW** and **BOOST function**.

WINDOW function for partial brightness measurement under difficult illumination situations.

Electronical ANTI-MOIRÉE-Filter (optional) to reduce Matrix-effects while working with flexible fibrescopes.

This videoprocessor series combines powerful HALOGEN light sources with full digital processing 1-CCD cameras. Space saving compact design. HALOGEN light source with 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.

■ 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 (not -eco X version).

■ LIGHT SOURCE

Two lamp - two output Halogen system with reflector lamps. Exchangeable adapters for different light guide systems. Direct focussing without lenses. Heat reflecting / infra-red filter.

MODELS

HL2250-CCD: On-Screen-Menu / WHITE BALANCE / WINDOW (adjustable)

HL2250-CAM: WHITE BALANCE / WINDOW / BOOST

HL2250-eco X: WHITE BALANCE / WINDOW / BOOST
(Cable not immersable)

AVAILABLE OPTIONS

Electronical ANTI-MOIRÉE-Filter (only for -CAM / -eco X, instead of BOOST)

Remote camera head for panel functions or video printer

FREEZE function for image freezing

Foot switch to control FREEZE function

(not every combination of options is possible!)

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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	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	HALOGEN reflector lamp 250 Watt / 24 Volt 3600 °K colour temperature
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

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

