

# OTOPRONT HD 1 CAMERA

Full HD resolution



otopront®

# OTOPRONT HD 1

The otopront HD-system is a 1-CCD video camera of the latest generation with excellent image quality in High Definition and outstanding natural colour reproduction for professional requirements. The camera can be used for every endoscopic application with high demands. It is easy and flexible to use. The camera can be adjusted individually via integrated On-Screen-Menu. Settings are stored in an internal memory. High speed, complete digital image processing, separated for red, green and blue colour channels, enables high end image quality.

## 2.5 DIGITAL ZOOM

Up to 2.5 digital Zoom via push-buttons.

## ON-SCREEN-MENU

Camera settings (like color, brightness, area) can be made in the On-Screen-Menu. Settings are stored in memory.

## 3 USER SETTINGS STORABLE

### AREA FUNCTION

Is a multitude of different brightness measurement fields. Quantity of measurement fields and form of this area is changeable. This Function controls the Shutter-Level for best illuminated picture.

## WHITE BALANCE BOOST FUNCTION

### FREEZE FUNCTION

The image on the screen can be frozen via push-buttons on the camera head or an optional footswitch.

New camera head buttons

Via multifunctional push-buttons on the camera head it is possible to remote more than two camera functions.

### OPTIONAL ACCESSORIES

- waterproof keyboard
- footswitch

## Technical data

<b>Camera head</b>	Aspect ratio: 16:9 Image sensor: 1/3" MOS
<b>System</b>	Immersible (using the attached cap) Power supply: 100/240 VAC, 50-60 Hz Power consumption: 20 VA Image resolution: full HD 1920 x 1080 pixel TV resolution: > 1000 lines Sensitivity: < 3 lux (1/1.4) White balance automatically, with data hold shutter speed: 1/50 (1/60) to 1/100.000 sec
<b>Video out terminal</b>	1x HDMI / DVI 1x Y-Pb-Pr (Component) 1x Video (PAL / NTSC) 1x S-Video (PAL / NTSC) 2x HD SDI (optional)
<b>Standard</b>	Protection class: I Application part: Type BF IEC 60601-1, EN 60601-1; classification acc. 93/42/EEC: I 100 - 240 VAC
<b>Dimensions (WxHxD)</b>	CCU 355 x 103 x 253 mm Head 73 x 39,5 mm
<b>Weight</b>	CCU 4.5 kg Head 105 g
<b>Head</b>	C-Mount thread, immersable two push-buttons for remote high flexible cable: 3 meter
<b>Class / Type</b>	1 / BF
<b>Manufactured and tested acc.</b>	IEC 60601-1 EN 60601-1 MDD 93/42/EEC

Delivery contains

CCU, camera head with 3m cable, mains cable, Y/C cable, BNC cable,  
HDMI - DVI cable, HDMI cable, RGB cable, user manual  
· Optional: waterproof keyboard, footswitch



Camera head with push buttons

Subject to change without notice