

# OTOPRONT HD 3 CAMERA

Full HD resolution



otopront®

# OTOPRONT HD 3

The otopront HD-system is a 3-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.

## STERILISATION

Camera head with cable and connector (using attached cap) can be immersed in a disinfectant solution.

## 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>Video system</b>	progressive scan with 50 or 60 Hz
<b>CCD sensor</b>	3 x 1/3 CCD
<b>Video resolution</b>	>1000 TV-lines horizontal
<b>Aspect Ratio</b>	16:9
<b>S/N</b>	54 dB
<b>Resolution</b>	Full HD 1920x1080 pixel
<b>Minimal subjective sensitivity</b>	< 3lx
<b>Outputs Digital out:</b>	2 x HD SDI 1 x HDMI / DVI
<b>Analog out:</b>	1 x YPbPr / RGB 1 x Y/C (Pal / NTSC) 1 x CVBS (Pal / NTSC)
<b>Settings</b>	On-Screen-Menu 3 User settings storable
<b>Power supply</b>	100 - 240 VAC
<b>Dimensions (WxHxD)</b>	CCU 353 x 103 x 253 mm Head 77 x 54 x 39,5 mm
<b>Weight</b>	CCU 4.7 kg Head 168 g
<b>Head</b>	C-Mount thread, immersable two push-buttons for remote high flexible cable: 4 meter 1 / BF
<b>Class / Type</b>	IEC 60601-1
<b>Manufactured and tested acc.</b>	EN 60601-1 MDD 93/42/ECC

Delivery contains  
CCU, camera head with 4 meter cable  
Mains cable, HDMI - DVI cable, HDMI cable  
RGB cable, Y/C cable, BNC cable  
User manual

Subject to change without notice



Camera head HD adapter



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