

# PRODUCT DESCRIPTION



MADE IN GERMANY

## V400 +Z

3 Chip-Color-Camera for endoscopic applications with Zoom function & Sharpness



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# V400+Z

Is a real high-end 3CCD video camera of the latest generation with excellent image quality and outstanding color reproduction for professional requirements. The product can be used for every endoscopic application with high demands. The product can be adjusted individually via integrated OSD( On Screen Menu) setting. Settings are stored via integrated memory. High Speed, complete digital image processing for red, green and blue color channels enables high end image quality.

## ■ Camera Head

Compact and very advanced designed.

Via two free programmable push buttons A and B, to realize Free, Zoom IN & OUT.

A wide range of different TV-adaptors can be attached to the C-Mount tread to choose the best focus length to the processor.



## ■ Keyboard Input

Via medical strong metal keyboard to realize the data management function. E.g. time, patient name, time and date.



## ■ Magnification ( Digital Zoom)

1.0x and 1.5x magnification via Push button on camera head.

## ■ The Flexible Filter

The Anti-Morie function especially fit to flexible fiberoscope to remove the nets when doing the flexible fiberoscope inspection and operation.

## ■ OSD Menu

9 Programs settings. And other main special function setting such as contrast, brightness, area, color and shutter.

Color mode is selected from among 5 modes.

Red color mode adjustment 10 levels.

Blue color mode adjustment 10 levels.

Green color mode adjustment 10 levels.

Setting are automatically stored in the memory.

## ■ MODE

Mode functions allow the doctors to change the different used condition to match with each different endoscopes such as Laparoscope, Urology, E.N.T and other all endoscopes.

## ■ Special Sharpness


Special sharpness function to allows vessels to be much more clear.

## ■ STERILIZATION

Camera head and cable ( by using the connecting cap on the head) can be fully immersed in a sterilization solution.

## DIGITAL 3-CCD VIDEO CAMERA

### Technical Data

Video system	PAL
CCD sensor	3 x 1/4 with 440.000 active pixel
Video resolution	800 TV-lines horizontal
Shutter control	1/50 to 1/50000
S/N	63 db
Sensitivity	< 1lx
Video system	NTSC
CCD sensor	3 x 1/4 with 470.000 active pixel
Video resolution	800 TV-lines horizontal
Shutter control	1/60 to 1/50000
S/N	64 db
Sensitivity	< 1lx
Min distance focal	13.8mm
Outputs	1 x RGB/ COMP 2 x Y/C 2 x CVBS
Settings	On-Screen-Menu
Power supply	100 - 240 VAC
power watts	26watts
Dimensions (WxHxD)	CCU 353 x 103 x 253 mm Head 33 x 35 x 83 mm
Weight	CCU 4,7 kg Head 115 g
Head	C-Mount thread, immersable two push-buttons for remote high flexible cable: 3 meter (6,5 meter optional)
Class / Type	1 / BF
Manufactured and tested acc.	IEC 601-1 /  EN 60601-1
Delivery contains	93/42 ECC CCU, camera head with 3 meter cable Mains cable RGB cable, Y/C cable, BNC cable User manual



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