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RZ
Medizintechnik
GmbH
Progress in Surgery

1 CHIP CAMERA SYSTEM Z2



11.2013

DIGITAL CAMERA SYSTEM WITH USB PORT

The new Z2 Endoscopic Camera is a universal system suitable for both diagnostics and surgery. The 1 CCD technology generates clear pictures with a high resolution and natural colors. The digital Anti Moiré filter automatically eliminates disturbing distortions when using flexible endoscopes such as Naso-Pharyngoscopes. Pictures and Movies can be stored easily on a USB stick. The collected informations can be used for an extensive documentation of the procedure. The lightweight camera head ensures a fatigue-free working, especially in Urology, Hysteroscopy, Arthroscopy and ENT procedures. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor. The 3 remote control buttons on the camera head can be programmed by the user as required during surgery.



I 300-001-410
Camera Z2

Delivery contains:

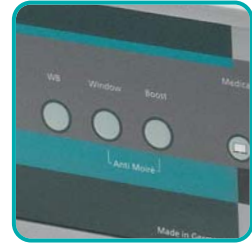
- CCU • Camera head • USB cable • Composite cable
- YPbPr/RGB cable • BNC cable • Jack cable • 4GB USB Stick
- Mains cable • User manual



Lightweight, watertight camera head with 3 buttons included



Easy save and play buttons and on a menu controlling



Splash-proofed, easy-to-use display



USB port for use with flash drives to record data



Skid-proof pedestals



Wide input/output possibilities on the back

TECHNICAL DATA



General data

Mains voltage	100-240 VAC, 50-60 Hz
Power consumption	20W
Mains fuses	2 Fine fuses, 5x20mm, delay acting 3,15 AH, 250V with high breaking capacity (Ia = 1500 A)
Dimensions	<ul style="list-style-type: none"> Control unit: 380 x 120 x 360 mm (WxHxD) Camera head, watertight: Ø=34mm, length=73mm
Weight	<ul style="list-style-type: none"> Control unit: 11 kg Camera head (without cable): 105g
TV-System	PAL / NTSC
Resolution	active pixels: • 752 H x 582 V • 768 H x 494 V
TV resolution	470 lines
Sensitivity	1 lux (1/1.4)
AGC	automatically
Shutter	automatically, shutter-speed: • PAL: 1/50 bis 1/100.000 sec. • NTSC: 1/60 bis 1/100.000 sec.
White balance	automatically, with data-hold
Lichtmessung	<ul style="list-style-type: none"> Integral (Standard) PEAK WINDOW, Window size and position can be set via OnScreen-Display

Camera head

Aspect ratio	4:3
CCD Image sensor	1/3" CCD

Connections

Video ports	<ul style="list-style-type: none"> 2 x CVBS (1Vpp/75Ω), BNC 2 x Hosiden (Y/C), Mini-DINconnection 1 x YPbPr 1 x SDI
Misc.	<ul style="list-style-type: none"> 1 x Remote IN 2 x Remote OUT 1 x Service (RJ45) 1 x USB (front)

Storage / operation conditions

Storage conditions	-20°C to +60°C
Operating conditions	+10°C to +40°C
Rel. humidity	Storage: 10% to 90% Operation: 30% to 75%
Air pressure	Storage : 600 mbar to 1300 mbar Operation : 700 mbar to 1060 mbar

Classification / Conformity

Class / Type	1 / BF
Manufactured/tested according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC