

RZ Medizintechnik GmbH
Unter Haßlen 20 | D-78532 Tuttlingen
Phone: +49 (0)7462/9470-0
Fax: +49 (0)7462/9470-50
sales@rz-medizintechnik.com
www.rz-medizintechnik.com



RZ
Medizintechnik
GmbH

Progress in Surgery

1 CHIP CAMERA SYSTEM Z2



11.2013

DIGITAL CAMERA SYSTEM WITH USB PORT

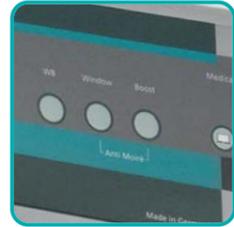
The new Z2 Endoscopic Camera is a universal system suitable for both diagnostics and surgery. The 1 CCD technology generates clear pictures with a high resolution and natural colors. The digital Anti Moiré filter automatically eliminates disturbing distortions when using flexible endoscopes such as Naso-Pharyngoscopes. 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.



Lightweight, watertight camera head with 3 buttons included



Easy save and play buttons and on a menu controlling



Splash-proof, easy-to-use display



USB port for use with flash drives to record data



Skid-proof pedestals



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



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 (I _a = 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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 |