



4K 3 CHIP UHD-CAMERA K4000

For the first time surgeons can trust an accurate laparoscopic 2D picture during the surgery. Especially during laparoscopic procedures where large cavities need to be shown correctly, our new K4000 camera gives precise details.

Our Ultra-High-Definition 4K complements and supports the human eye (retina) by currently best imaging technique.

The new K4000 camera shows in particular deep located operating areas, tissue deformations by giving a correct perspective.

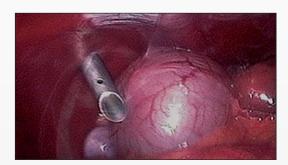
This systems improves the learning curve of surgeons and reduces the OR-time tremendously.

Features:

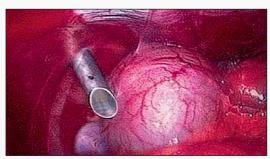
- K4000 offers excellent details
- natural color-correct images with greater depth perception so the OR team can see more details during procedures and use for the first time a digital zoom in real practice
- simple application of the UHD K4000 4K camera and less complicated as 3D technology
- faster operating time
- less expensive as a complete 3D System as some standard products i.e. telescopes,



3 CHIP 4K UHD IMAGING

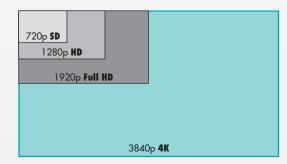


Standard Full HD Image



Improved UHD 4K Image

- Significant more detail and structure enhancement
- Color and brightness improvement
- 4 times higher resolution





Delivery Contains:

- Main Unit (300-001-840) Camera head (300-001-841)
- HDMI cable USB Pen Drive Mains cable
- Operating manual

Technical Data

Mains voltage	100-240 V, 50-60 Hz
Power Consumption	60 VA
Sensor	3 MOS
TV resolution	3840 x 2160 pixels (4K)
Image resolution	1600 TV lines
Index ratio	16:9
S/N Ratio	54dB
Video outputs:	1x HDMI 4K
	1 x HDMI Full HD
	1x SDI 4K
	1x SDI Full HD
Dimensions	Control unit: 355 x 103 x 350 mm
	(WxHxD); Weight 6.2 kg
Camera Head	145g

MULTIFUNCTIONAL HIGH-END CAMERA HEAD



TV-ADAPTERS

All RZ TV-Adapters with c-mount, soakable



FIXED FOCAL LENGTH

300-001-813	f=14mm
300-001-814	f=25mm
300-001-815	f=28mm

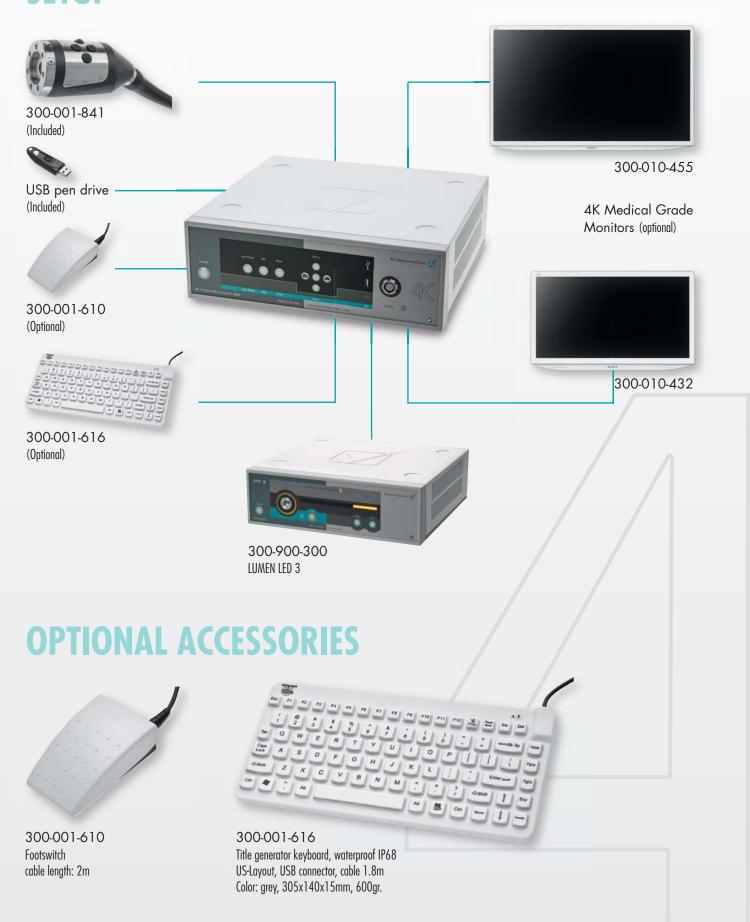
with manual lock



 $\begin{array}{c} 250\text{-}015\text{-}036 \\ \textbf{Zoom} \\ \text{f=}15\text{-}36\text{mm} \end{array}$

ZOOM FUNCTION

SETUP



UHD MEDICAL GRADE MONITORS



Article No.	300-010-455	
Size	$55'' / 49^{7/8} \times 30^{3/8} \times 3^{3/8}$ inches (1264 x 771 x 85)	mm)
Resolution	3840 x 2160 pixels (16:9)	
Signal Input	SD-SDI, HDMI, DVI	
Panel	LCD with IPS	
Weight	35,2 kg	



Article No.	300-010-432
Size	$31'' / 29^{3/4} \times 18 \times 2^{3/4}$ inches (753 x 456 x 69mm)
Resolution	4096 x 2160 pixels (17:9)
Signal Input	SD-SDI, HDMI, DVI
Panel	LCD with IPS
Weight	12 kg

LIGHT SOURCE

Latest PHASER® Technology for unsurpassed medical lighting. Excellent light sources are characterized by high color rendering, high luminance and a very low ultraviolet and infrared radiation. With the LUMEN LED 3 light source RZ Medizintechnik offers the latest technology in medical lighting, Made in Germany. Whether the light source is used with modern head lights or in endoscopic surgeries, the new PHASER® technology always generates enough light for meaningful pictures.

Features:

- More then 10.000h lamp lifetime
- 300 Watt daylight quality
- Latest PHASER® Technology
- Waterproof touch control panel
- High color rendering
- High luminance
- Daylight color temperature
- Low noise level
- No UV or IR light
- Low power consumption



300-900-300 LUMEN LED 3

DELIVERY CONTAINS:

- Main Unit (300-900-300)
- BNC cable
- Mains cable
- Operating manual

Technical Data

Mains voltage	100-240 VAC, 50-60 Hz
Power consumption	300W
Mains fuses	2 Fine fuses, 5x20mm,
	delay acting 6,3 AT, with high
	breaking capacity ($Ia = 1500 A$)
LED Lifetime	> 10.000h
Color temperature	6000 − 6500° K
Connections	Light guide STORZ
Video-IN terminal	1 x VHS (BNC)
Service	1 x RJ45
Storage temperature	- 20°C to +60°C
Operation temperature	+10°C to +40°C

Relative humidity	
Storage:	10% to 90%
Operation:	30% to 75%
Atmospheric pressure	
Storage:	600 mbar to 1300 mbar
Operation:	700 mbar to 1060 mbar
Classification / Conformity	1 / BF
Test according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	380 x 125 x 360 mm (WxHxD)
Weight	approx. 12.5 kg



UHD 4K LAPAROSCOPIC ENDOSCOPES

4K LAPAROSCOPES

State-of-the-art Laparoscopes to achieve excellent image quality and finest details in Ultra High Definition.



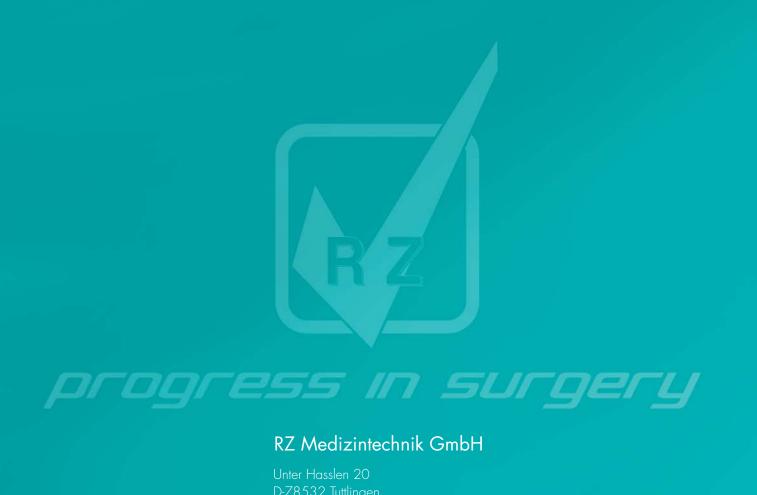




UHD 4K Laparoscope, \varnothing 5mm, autoclavable		
300-155-400	0°, 330mm	
300-155-430	30°, 330mm	
300-255-400	0°, 450mm	
300-255-430	30°, 450mm	







Media Code Number: 021540