



ri-screen

Multifunctional digital camera system
otoscopy - ophthalmoscopy - dermatoscopy

MULTIPURPOSE DIGITAL, WIRELESS IMAGING DEVICE

Riester ri-screen is a digital medical camera that provides general, ophthalmoscopic, otoscopic and dermatoscopic imaging by one hand-held device.

Improved Patient Care

Digital still and video images created with Riester ri-screen allow making accurate first diagnosis and planning consistent follow-up treatment.

Efficient Work Processes

Riester ri-screen is easily adopted into daily examination routines and connectivity to any patient database system enables fluent image data sharing e.g. for consultation purposes.

Riester ri-screen

- Dimensions: 82.30 (w) x 166.50 (h) x 66.50 (d) mm
- Weight: 400g
- Power supply: Rechargeable Ni-MH Battery

Handset Features

- High resolution 2.4" TFT-LCD display with 262.000 colors and antireflective coating
- 2 GB SD memory card
- Bayonet connector for attachable optics modules
- Integrated lens for general imaging
- Average usage time 1 h 30 min continuous use with full battery

Imaging Functionality

- 5 MPixel CMOS image sensor
- Image format: JPEG
- Video format: MPEG-4/MPEG-1
- Resolution in general mode: 2560 x 1920 Pixels
- Autofocus

User Interface Features

- Patient folders
- Image preview

Connectivity

- PC with USB port – no driver installation needed
- Supported operating systems: Windows XP®, Windows Vista®, Windows 7®
- Free patient data management software provided with sales package

OTOSCOPY

With the attachable otoscopic lens Riester ri-screen provides high resolution digital image data that captures accurately the colour, position, and translucency of tympanic membrane. Broad field of view allows you to observe easily the entire auditory canal. By viewing still or video images of both ear canals simultaneously on your PC, diagnosis and follow-up are significantly facilitated.



FEATURES

- Enhanced view
- Inflation port
- Disposable a
- Integrated L
- 6 x Digital zo
- Image resolu
- Dimensions/



ANTERIOR OPHTHALMIC IMAGING

With the attachable external ophthalmoscopic lens Riester ri-screen provides high resolution digital image data of the surface of the eye and areas directly surrounding the eye. The cobalt blue LEDs allow fluorescent imaging to detect a dry eye or any cuts or rashes on the surface of the eye.

Light weight and portable design allow the camera to be used in field conditions outside the office and examining also patients lying down.

FEATURES

- White and bl
- Silicone supp
- Autofocus an
- 6 x Digital zo
- Image resolu
- Dimensions/

ri-screen

Multifunctional digital camera system
otoscopy - ophthalmoscopy - dermatoscopy

ew of the auditory canal
t for pneumatic otoscopy
nd reusable speculum diameter range: 2-5mm
ED illumination
om
ution 2560 x 1920 Pixels
weight: 49.2 (h) x 54.5 (d) mm/80 g



ue LEDs for image targeting and capturing
port to stabilize camera when targeting
d optional manual adjust
om
ution 2560 x 1920 Pixels
weight: 79 (h) x 70 (d) mm/80 g

DERMATOSCOPY

Together with the attachable dermatoscopic lens Riester ri-screen offers an easy-to-use tool for examining the entire skin surface and making measurements of different skin lesions such as moles.

Any changes in the skin or moles can be easily detected and documented with high resolution images during each follow-up. Without the dermatoscopic lens the device can be used for general imaging of larger skin areas to document e.g. burn injuries, cuts or bruises and eczema.

FEATURES

- Accurate identification and measurement of skin lesions
- No immersion necessary
- 6 x Digital zoom
- Autofocus
- Light ring of 24 LEDs for illumination
- Image resolution 2560 x 1920 Pixels
- Dimensions/weight: 60 (h) / 77 (d) mm/150 g

RETINAL OPHTHALMIC IMAGING

With the attachable ophthalmoscopic lens Riester ri-screen enables non-mydratic eye fundus examination with a wide 45° field of view. With digital still and video images the appearance of optic disc, macula, and retinal vasculature can be screened and documented for ocular lesions and anomalies. The device can be mounted on a slit lamp holder with a special adapter to give additional stability to imaging.

FEATURES

- Reflection free imaging
- Image targeting and capturing using infrared or white light
- It is not necessary to dilate pupils
- Minimum pupil size 3,5 mm
- Field of view 45°
- Autofocus
- Silicon rubber eye cup for support and comfort
- Image resolution 1920 x 1440 Pixels
- Dioptre compensation -20 D to +20 D
- Dimensions/weight: 132.10 (h) x 55.20 (d) mm/180 g

ORDER NUMBERS

ri-screen camera system	No. 3970
Otoscopic lens for ri-screen	No. 12370
Anterior ophthalmic lens for ri-screen	No. 12371
Retinal ophthalmic lens for ri-screen	No. 12372
Dermatoscopic lens for ri-screen	No. 12373

ri-screen

Multifunctional digital camera system
otoscopy - ophthalmoscopy - dermatoscopy

