

ri-screen



Multifunctional digital camera system.

MULTIPURPOSE DIGITAL, WIRELESS IMAGING DEVICE

ri-screen is a digital medical camera system with a full range of lenses for ophthalmoscopic, otoscopic, dermatoscopic and other applications.

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

Handset Features

- Dimensions: 89mm x 44mm x 205mm
- Weight: 254 g
- Power supply: rechargeable Li-ion battery
- 3.5" full HD full colour TFT-LCD display
- 8 GB micro SD card
- 3 hours operating time
- Bayonet connector for attachable optic modules
- Image and video function

Imaging Functionality

- 2 MPixel CMOS image sensor
- Image format: JPEG
- Video format: H.264
- Resolution: Full HD true 1920 x 1080

Connectivity

- Mini USB and AV output

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.



GENERAL IMAGING

The general imaging lens of the **Riester ri-screen** camera system is provided to capture high resolution digital image data of easily accessible areas of the body such as the oral cavity.

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MULTIFUNCTIONAL DIGITAL CAMERA SYSTEM

Features of otoscopic lens

- Enhanced view of auditory canal
- Disposable and reusable 4mm speculum
- Light source: Visible white LED
- Focus range: 5-50 mm
- Resolution: Full HD 1920 x 1080 Pixels
- Dimensions: 69mm x 44mm
- Weight: 68g



Features of general imaging lens

- Light source: Visible white LED
- Focus length: 4mm
- Resolution: Full HD 1920 x 1080 Pixels
- Dimensions: 25mm x 44mm
- Weight: 49g



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 followup. 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 of dermatoscopic lens

- Accurate identification and measurement of skin lesions
- No immersion necessary
- Light source: white and infrared LEDs
- Polarization: Dermis / Epidermis
- Field of view: 10 mm Ø
- Resolution: Full HD 1920 x 1080 Pixels
- Dimensions: 56mm x 46mm
- Weight: 113 g

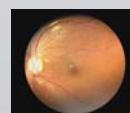


RETINAL OPHTHALMIC IMAGING

With the attachable ophthalmoscopic lens **Riester ri-screen** enables non-mydratic eye fundus examination with a wide 25° and 40° field of view respectively. 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 of ophthalmoscopic lens

- Reflection-free imaging
- Image targeting and capturing using infrared or white LEDs
- It is not necessary to dilate pupils
- White and infrared LEDs for image targeting and capturing
- Resolution: Full HD 1920 x 1080 Pixels
- Field of view: 25° or 40°
- Diopter compensation: -20D to +20D
- Dimensions: 133mm x 42mm
- Weight: 120g



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MULTIFUNCTIONAL DIGITAL CAMERA SYSTEM

ORDER NUMBERS

ri-screen camera system	No. 3970
Otoscopic lens for ri-screen	No. 12370
Retinal ophthalmic lens (25°) for ri-screen	No. 12371
Retinal ophthalmic lens (40°) for ri-screen	No. 12372
Dermatoscopic lens for ri-screen	No. 12373
General imaging lens for ri-screen	No. 12387