

RCS-100

Riester Camera System



RCS-100

DIGITAL, PORTABLE AND MULTIFUNCTIONAL MEDICAL CAMERA SYSTEM

With the RCS-100, Riester introduces a new generation of a digital medical camera system with a full range of lenses.

Available with 3 lenses:

Otoscope lens
General lens
Dermatoscope lens

Features:

Rotary wheel

Digital camera

Touch screen

Change of lens

Multi functional diagnosis

LCD screen

8 MP CMOS

Image/Video format

Focus settings

Art.-No.: 1970-H

Camera basic model including: Power supply, cable, 4 plugs (EU, US, UK, Australia)

Benefits:

For one-hand operation

Allows accurate first diagnosis and planning of consistent follow-up treatment

Easy to use

Fast and easy

ENT, dermatology and general practice

5" full HD colour TFT-LCD display 1.280 x 720 pixel
Including scratch proof cover

High resolution, scaleable image

Picture: JPEG, Video: MP4

automatic (otoscope/general lens)
manual (all lenses)



Otoscope lens:

Enhanced view of auditory canal

Disposable and reusable
specula mm (in)

2 (0.08), 3 (0.12), 4 (0.16) and 5 (0.20)

Light source

Visible white LED

LED colour temperature

4.000 K

Size mm (in)

73.5 (2.89) x 40 (1.57) x 40 (1.57)

Resolution

8 MP CMOS

Air channel for pneumatic test (compatible with existing Riester connector)

Focus range mm (in)

8 - 25 (0.31 - 0.98)

Field of view at a distance from the object of (with specula Ø 4 mm):

25 mm (0.99 in)

12 (0.47)

15 mm (0.60 in)

9 (0.35)

10 mm (0.40 in)

8 (0.31)

Magnification on display

6 x

Art.-No.: 1970-HXXO

Camera basic model with:
Otoscope lens

Art.-No.: 13272

Otoscope lens



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INSTRUMENTS FOR EENT, OPHTHALMOLOGY AND DERMATOLOGY

Dermatoscope lens:

Accurate identification and measurement of skin lesions

No immersion necessary

Light source	Visible white LED
LED colour temperature	4.000 K
Field of view mm (in)	30 Ø (1.18)
Resolution	8 MP CMOS
Digital movable ruler	
Optical magnification	2.5 x (from optics)
Displayed magnification	2 x - 8 x
Digital magnification	4 x (on top)
Size mm (in)	62.1 (24.4) x 62.1 (24.4) x 36 (1.42)



Art.-No.: 1970-HDXX

Camera basic model with:
Dermatoscope lens

Art.-No.: 13270

Dermatoscope lens

General lens:

Light source	Visible white LED
LED colour temperature	5.500 K
Focus range mm (in)	30 - 4.000 (1.18 - 157.48)
Display magnification at 30 mm distance to the object	1.0 x - 4.0 x
Resolution	8 MP CMOS
Field of view	78°
Optical magnification	2 x
Digital magnification	4 x
Size mm (in)	60.5 (23.82) x 60.5 (23.82) x 19 (0.75)



Art.-No.: 1970-HXGX

Camera basic model with:
General lens

Art.-No.: 13271

General lens

Art.-No.:

Model:

1970-H =	Camera basic model
1970-HXXO =	Camera with otoscope lens
1970-HDXX =	Camera with dermatoscope lens
1970-HXGX =	Camera with general lens
1970-HDGO =	Camera with all lenses (otoscope, dermatoscope and general lens)
1970-HDGX =	Camera with dermatoscope and general lens
1970-HXGO =	Camera with general and otoscope lens
1970-HDXO =	Camera with dermatoscope and otoscope lens

Technical data:

LCD screen	5" full HD colour TFT-LCD display 1.280 x 720 pixel including scratch proof cover
Focus	Automatic/manual
Image/Video format	Picture: JPEG, Video: MP4
Battery	3.6 V 2600 mAh 1S1P 18650-li-battery
Adaptor	Input: 100 ~ 240 V 50 ~ 60 Hz, 0.3 A Output: DC 5 V/2 A
CMOS sensor	8 MPixel
USB	OTG type C USB, UVC
RAM	2 GB LPDDR3
ROM	16 GB
Optional: Extended memory	16 GB Wifi SD Card
Start time	< 30 sec.
Wake up time	< 5 sec.
Stand by time	approx. 7 days
Ambient temperature	+ 10° C to + 40° C
Operating time	Video 3.5 hours
Charging time	3 hours
Relative humidity	15 % to 95 % rel. non condensing
Storage	0° C to + 45° C
Cleaning control unit and charging adaptor	Soft cloth with alcohol (70 % ethyl alcohol)
Cleaning optical lenses	Cleaning cloth or a lens cleaning tissue (e.g. THORLABS)
Weight handset	292 g
Dimension mm (in)	225 x 135 x 45 (8.86 x 5.31 x 1.77)
Weight otoscope	96 g
Dimension mm (in)	73.5 x 40 x 40 (2.89 x 1.57 x 1.57)
Weight dermatoscope	108.5 g
Dimension mm (in)	62.1 x 62.1 x 36 (2.44 x 2.44 x 1.42)
Weight general lens	66.4 g
Dimension mm (in)	60.5 x 60.5 x 19 (23.82 x 23.82 x 0.75)