

# 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



# RCS-100

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:

<b>1970-H =</b>	Camera basic model
<b>1970-HXX0 =</b>	Camera with otoscope lens
<b>1970-HDXX =</b>	Camera with dermatoscope lens
<b>1970-HXGX =</b>	Camera with general lens
<b>1970-HDGO =</b>	Camera with all lenses (otoscope, dermatoscope and general lens)
<b>1970-HDGX =</b>	Camera with dermatoscope and general lens
<b>1970-HXGO =</b>	Camera with general and otoscope lens
<b>1970-HDX0 =</b>	Camera with dermatoscope and otoscope lens

## Technical data:

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