# **SPECIFICATIONS** RSL 5000

## RSL 5000digital

a	ntical	system
v	puca	- Systelli

Туре	Galilean converging binoculars 8°
Magnification	Rotating drum change x6, x10, x16, x25, x40
Eyepiece	x12.5
Field of view	34, 22, 14, 8.5, 5.5 mm
Interpupillary distance	49 to 77 mm
Objective lens focal distance	107 mm
Objective lens	

#### Slit projection and base

Slit width	0-12 mm continuously variable
Slit length	12 mm (1.8 - 12 mm continuously variable)
Aperture diameters	0.2, 1 mm square, 2, 3, 5, 9, 12 mm
	Clear, red free, neutral density, diffuser, blue, IR heat absorbing filter permanently installed
Slit angle	+/- 90° continuous
Slit rotation	+/- 180° with reference scale
Slit vertical tilt	0°, 5°, 10°, 15°, 20°
Base travel	25 mm Z-axis, 107 mm X-axis, 110 mm Y-axis
Horizontal fine adjustment	12 mm
Fixation lamp	LED
Light source	LED / 12V

#### **Additional Features**

Auxiliary diffuser, yellow filter integrated to optical body, TAT-100R optional available

#### **Dimensions and weight**

Dimensions WDH	350 x 410 x 780 mm
Weight	~ 18 kg

#### Power supply

Power supply unit Sw	vitch mode, (100 - 240V input)
+/-	10% multi plug compliant to EN 60601-
EN	61000-6-2, EN 61000-6-3
Power supply output	V DC / 2.5 A IEC / EN 60 6001



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Power supply output 1	12V DC / 2 5 A IFC / FN 60 6001

#### Base unit

Integral USB hub, joystick trigger system, auto left / right detection, +/- camera exposure controls, freeze frame image review control

External background illumination system, blue filter for background illumination system

#### **Camera System**

Resolution	. 2 Megapixel: 1600 x 12
Connectivity	. USB 3.0
Sensor Type	. CCD
Chip Size	. 1 / 1.8"
Framerate	17 5 fps

PLUG & TOUCH BY RODENSTOCK

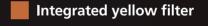
The classic among slit lamps.



RSL 5000 / RSL 5000digital







Exceptional optics

Work station with application software (RSL 5000digital)

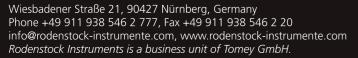
LED illumination

Extensive filter and accessory set

Integrated, high sophisticated camera system (RSL 5000digital)



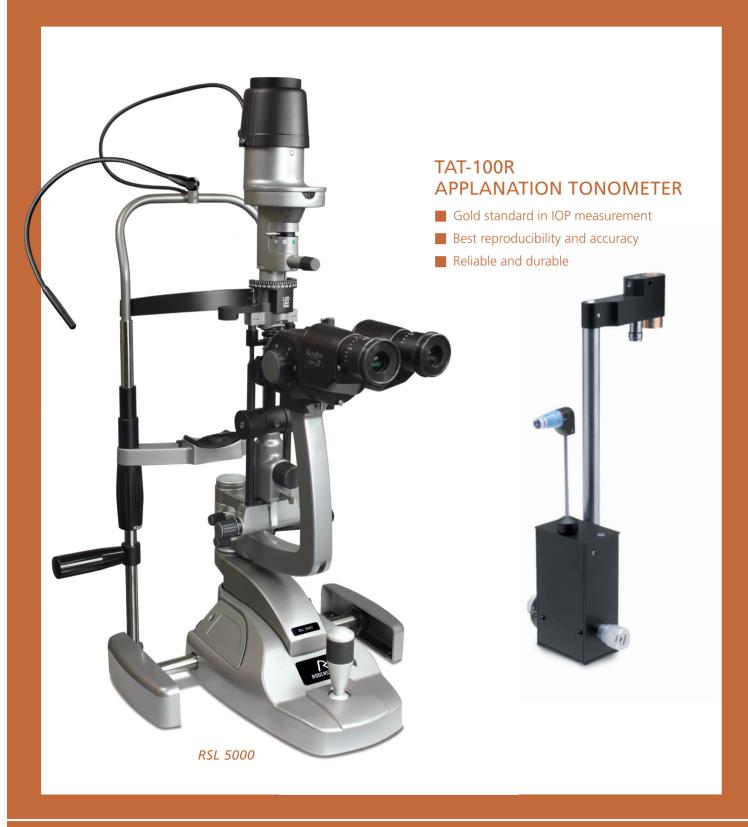






# QUALITY IN DETAIL

Combining classic beauty with modern technology – our RSL 5000 is the result of ideal style and substance. Enjoy the difference in easy handling with perfectly placed on-board illumination control and surely, high quality, accuracy and reliability are guaranteed. Day by day, you can rely on a perfect diagnostic tool giving your clients the highest level of examination.



## Exceptional optics + LED

The passion for high quality optics is present in the entire optical system – accuracy and reliability give the absolute confidence in this system. LED is the preferred light source nowadays. Our LED has been selected for its use and performance with an ideal colour temperature and homogeneous light illumination level.







#### **Take control**

The control of variable functions of the slit lamp and digital applications can be done via the slit lamp dashboard. Starting with independently controlled main illumination, exposure time of the camera (RSL 5000*digital*) up to camera trigger on the joystick.

To bring it to perfection – the high attention to mechanical parts provide a comfortable handling and smooth operation.



### Digital capture + patient management

The RSL 5000*digital* comes with many features on top of the basic version. Additional to the combined integrated camera and beam splitter the digital series include a background illumination, diffuser and blue filter. Moreover the *Kapture* software with integrated patient database completes this work station.

The camera and review control functions allow capturing and examining these images while being stored in the database. All images and data are entered through easy to use but sophisticated software screens.

