TSC1/RecOrb

Digital imaging designed for ophthalmic practice

- Easy-to-use screen layout
- Capture high-resolution still images and Full HD video with a single button press
- Dual-screen display and information management

*This product is an optional accessory used in conjunction with a slit lamp and is not a medical device on its own.

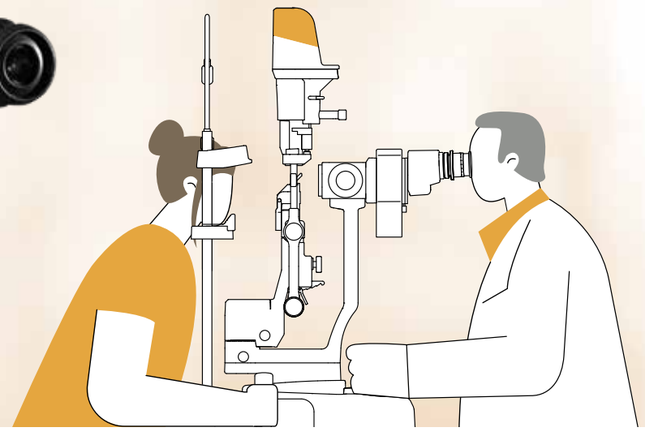


Serving Your Vision

TAKAGI ophthalmic devices, proudly made in Japan since 1955.

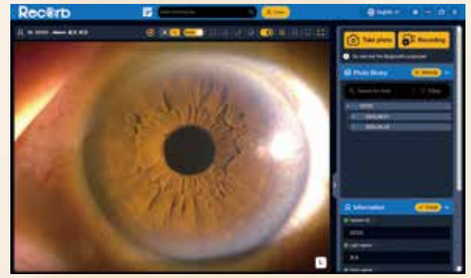


A digital imaging system designed based on the needs of ophthalmic practice. RecOrb software, designed exclusively for the TSC1, features an intuitive screen layout and high-resolution still image/Full HD video capture. It supports image acquisition during examinations and facilitates patient communication.



Designed for seamless clinical workflow

An intuitive GUI design and on-screen guidance help users quickly understand operating procedures and enable high-definition recording.



GUI (Graphical User Interface)

The visually organized screen layout allows for intuitive operation.

On-screen guidance

Guidance is displayed at application startup to support smooth operation.





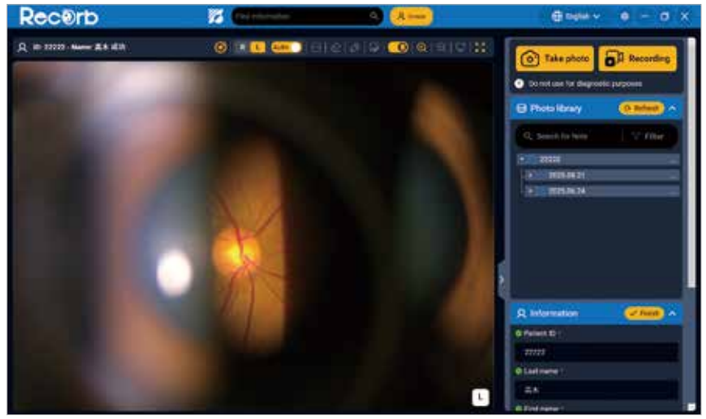
Image capture

High-resolution still images and Full HD video can be captured smoothly using the joystick trigger button, enabling easy operation during examinations.



Provides high-definition images for clinical observation

Auto exposure and color tone adjustment functions are designed to enhance visibility in high-contrast areas and aid information capture during observation.

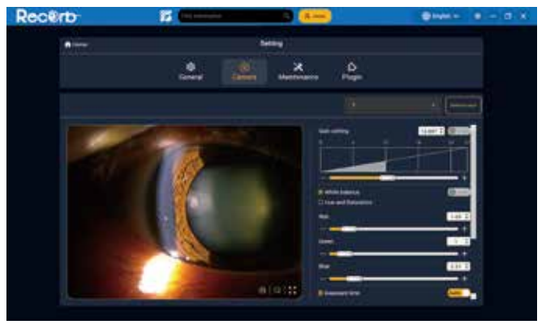


Auto exposure

Brightness is automatically adjusted according to illumination conditions to facilitate image capture.

Color tone adjustment

Hue, saturation, and brightness can be adjusted while viewing the live image. Gain, white balance, and exposure time can also be adjusted automatically, with a design focused on ease of viewing and comparison.



Supports an environment that facilitates image and information sharing with patients

Designed with consideration for image display and patient information management, it supports a clinical environment that enables clear patient communication and efficient information review.

Dual-display capability

Captured still images and videos can be clearly displayed on a patient-facing monitor, facilitating confirmation and explanation during examinations.



The camera is equipped with a yellow filter as standard, convenient for fluorescence observation.

Up to four images for comparison

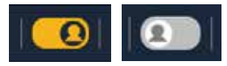
Up to four recorded still images or videos can be displayed simultaneously, enabling easy comparison for follow-up and evaluation.



Patient privacy guard

The Patient privacy guard displays only the patient's own information, helping prevent accidental disclosure of other patients' data and reducing the risk of incorrect explanations.





The Patient privacy guard can be turned on or off with a single click.

System requirements & compatibility

Sensor technology	CMOS
Resolution	4024 x 3036 pixels
Effective pixels	12.2 MP
Frame rate	31 fps
Filter	Yellow filter IN/OUT
Dynamic Range	70.3 dB (typ.)*
Compatible models	700GL, 700GL NSW, 700GL LPH, 4ZL, 2ZL

*Published value for a monochrome model using the same sensor (EMVA 1288 data for the color model are not publicly available).

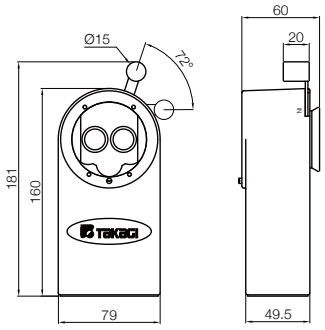
System Requirements

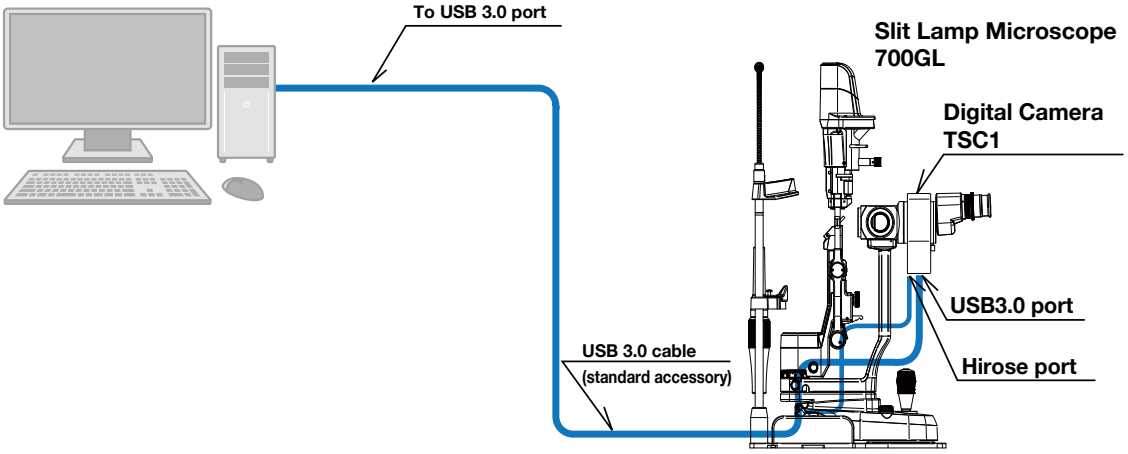
OS	Windows 11
RAM	≥16 GB
Interface	USB 3.0
CPU	Intel Core i5 ≥3.5 GHz
Monitor Resolution	Full HD (1920 x 1080)
Video Board	Graphics memory ≥1 GB
Storage	SSD ≥512 GB

*RecOrb supports DICOM in version 1.0.1 and later. For details on DICOM compatibility, please contact our sales department.

Dimensions

Dimensions (mm)





*The cables can be neatly concealed in the slit lamp's arm.

Learn more

To ensure safe and correct handling please read the user manual before using.

- Description and appearance as detailed in this brochure may be subject to change as improvements are made to products.
- Colors of product(s) in brochure may slightly differ from actual product(s) due to lighting situation when photographed or print conditions.

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