

Handheld Slit Lamp

KOWA **SL-19** *plus*
for veterinary use

Case Reports



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Veterinary Ophthalmology Services, Inc.

With Kowa, you are choosing excellent design, quality and seamless functionality. The Kowa veterinary SL-19 plus is the ultimate teaching and client educational tool that elevates your client services.

DJ Haeussler, Jr., MS, DVM, DACVO
The Animal Eye Institute

The SL-19 plus is compact and lightweight at just 810 grams and has an ergonomic trigger-style grip and intuitive control layout to make it incredibly easy to operate, even during extended examinations or in challenging environments.



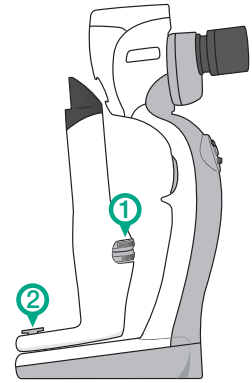
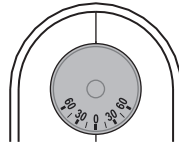
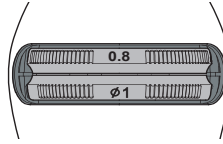
Ronald Rinaldi, VMD Ophthalmology Resident
Mosaic Animal Health, University of Pennsylvania,
College of Veterinary Medicine

The Kowa SL-19 plus is incredible for allowing others to visualize the microscopic changes seen in the eye that they would otherwise never get to experience or understand.

Slit Illumination

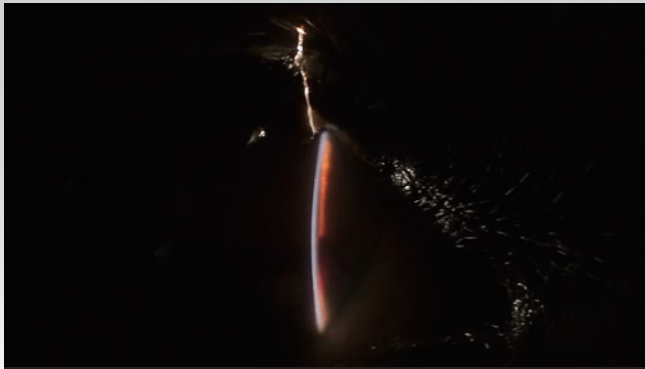
① **Slit dial**
To adjust the slit width.

Spot dial
To adjust the spot diameter and slit length.



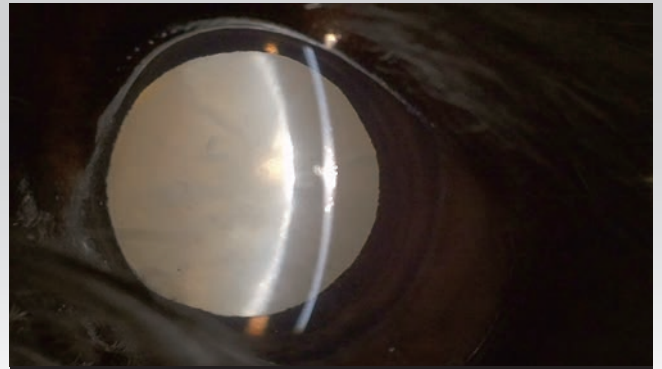
② **Illumination angle scale**
Indicates the angle of slit light irradiation.

Slit width 0.1 mm, Slit length 12 mm



Hypphema, 16-year-old dog

Slit width 0.2 mm, Slit length 12 mm

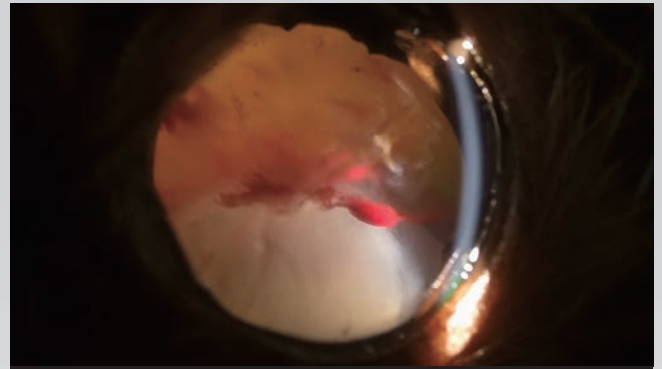


Cataract, 5-year-old dog

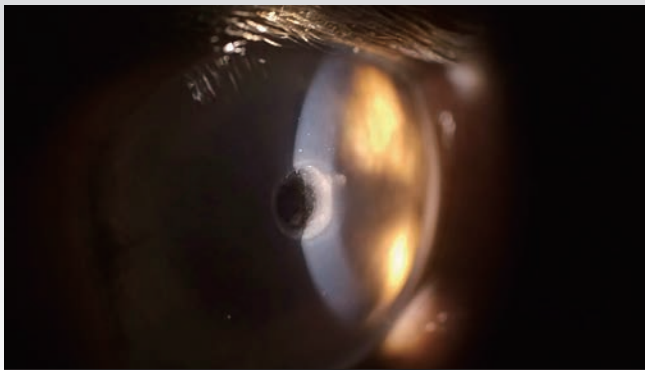
Slit width 0.8 mm, Slit length 12 mm



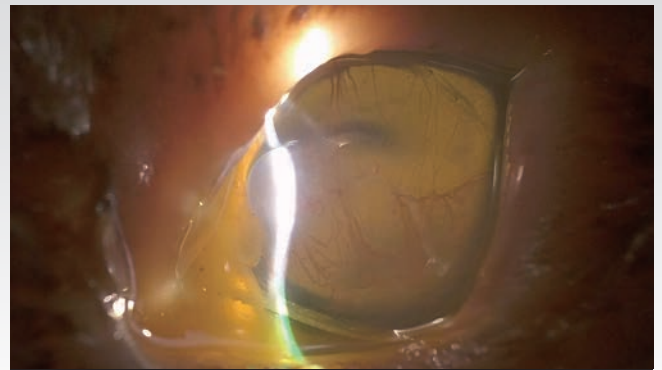
Uveitis (episcleritis, vitreous degeneration), 11-year-old dog



Uveitis (lens luxation, vitreous degeneration, hypphema), 13-year-old dog



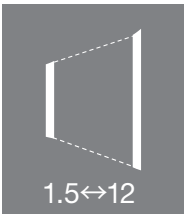
Corneal ulcer, 2-year-old dog



Bullous keratopathy, keratitis, 17-year-old cat (Bright mode ON)

Spot Illumination

By adjusting the combination of the upper and lower dials, various slit lights can be observed.

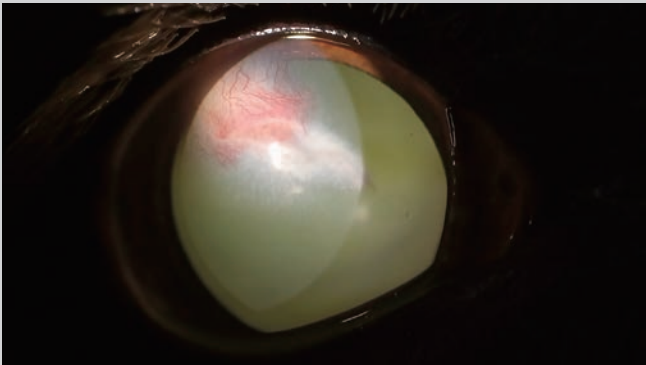
Shape of the light			 1.5↔12			
Slit dial	0.1/0.2/0.8	0.1/0.2/0.8	0.1/0.2/0.8	○	○	○
Spot dial	12	∅1/∅5	1.5↔12	12	∅1/∅5	1.5↔12

Note: When the slit dial is ○ and the spot dial is set continuously variable, the shape of the light as shown on the far right of the above table is irradiated. This is not a malfunction.

Slit width O, Spot ∅ 12 mm



Corneal scar (from dry eye),
corneal mineralization, 16-year-old dog



Corneal scar, 13-year-old dog



Keratitis, 5-year-old dog



Cataract and pigment on the anterior
lens capsule, 11-year-old dog



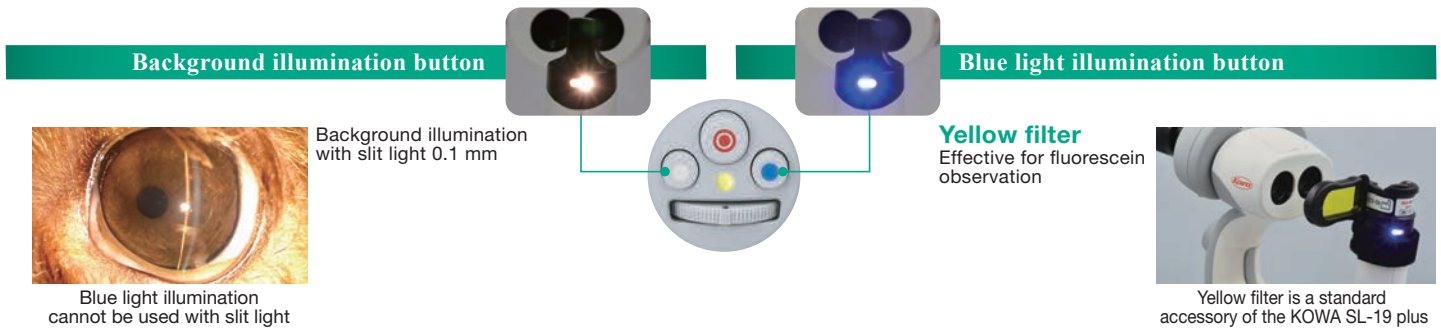
Eyelid neoplasia, 15-year-old dog



Cataract, 5-year-old dog

Background Illumination and Blue Light Illumination

- 3 dimming levels
- Background illumination simultaneously usable with slit lamp



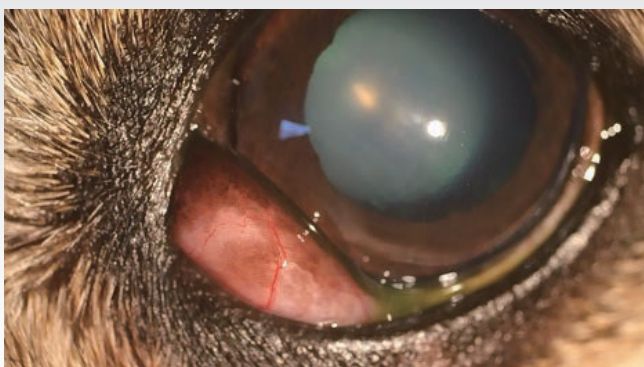
Background illumination



Feline diffuse iris melanosis,
4-year-old cat

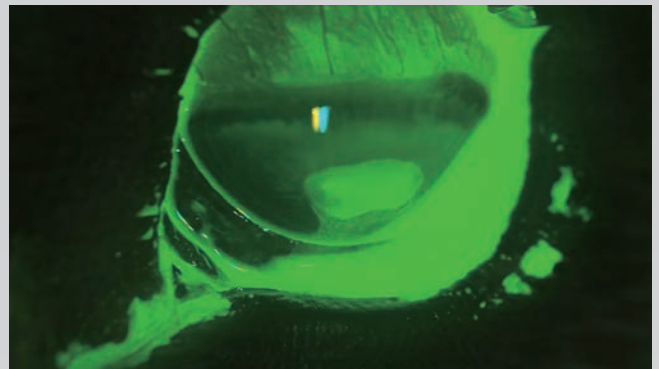


Eyelid mass, 13-year-old dog

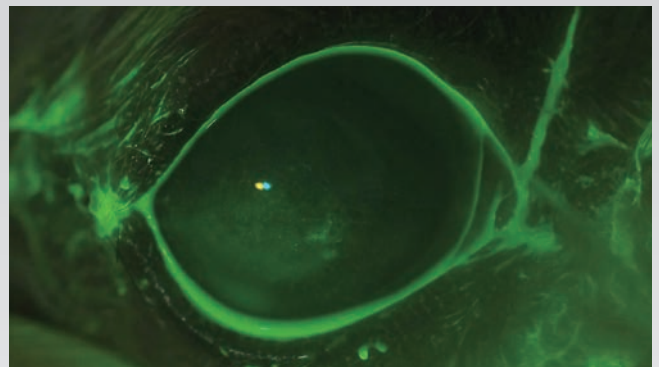


Cherry eye, 13-year-old dog

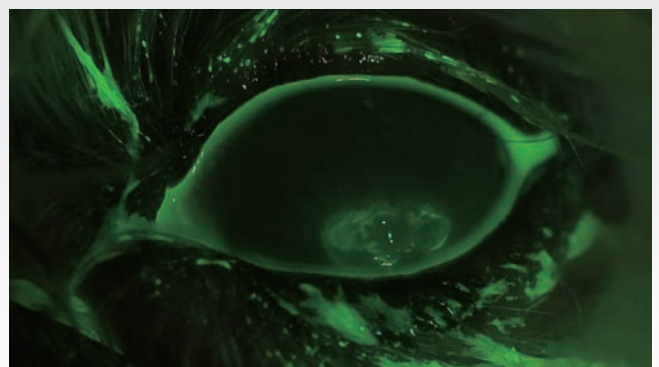
Blue light illumination with yellow filter



Indolent ulcer, 11-year-old dog



Corneal epithelium disorder by drug toxicity
from glaucoma eye drops, 11-year-old dog

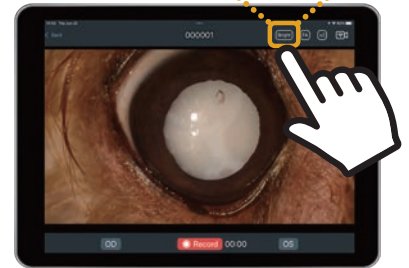


Corneal mineral with ulcer, 14-year-old dog

Bright Mode

■ Adjusting the brightness allows for observation in low light conditions.

To turn on the bright mode.



Slit width 0, Spot $\varnothing$ 1 mm



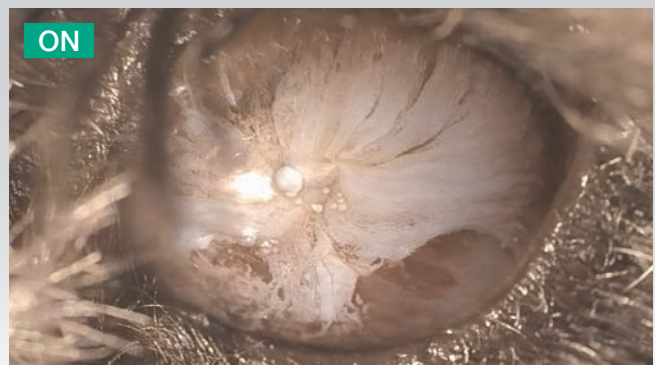
Lens-induced uveitis (LIU), 11-year-old dog

Slit width 0.1 mm, Slit length 12 mm



Keratoconjunctivitis sicca (KCS), 10-month-old dog

Background illumination



Cloudy cornea, 12-year-old dog

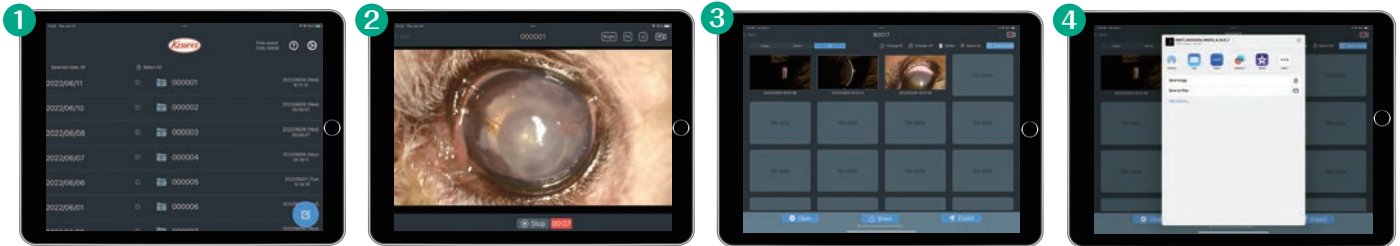
Features

- Built-in wireless camera
- Using a dedicated application, the KOWA SL-19 camera connects to your iPad via wireless LAN to capture and store images
- Weight: 810 g (battery included)
- Ideal for examination records and treatment evaluations



• Simple application, high performance

Patient ID management/Real time view/Video capture/Auto extraction and storage of still images



1 Recorded images can be stored and managed for every patient.

2 Finder view can be displayed and recorded on your iPad through the dedicated application.

3 Focused still images are automatically extracted from the video. Extracted or selected still images can be stored.

4 Images can be shared via AirDrop, or external USB memory, etc.

• Easy handheld operation

Recordings can be controlled with your thumb by the push of a button

Recording start/stop button



iPad is a trademark of Apple, Inc. registered in the U.S. and other countries and regions. Specifications and appearances are subject to change without notice.

"KOWA SL-19 plus" is the name of the camera model, with "KOWA SL-19" as the product name.



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Trade name: KOWA SL-19