



DIGITAL CAMERA **TD-1**

Image Filing Software **EyeCAM**

NEW



Aiming at new levels in quality

DIGITAL CAMERA TD-1



Yellow filter IN/OUT mechanism

High-contrast images can be obtained by using a built-in yellow filter in cornea fluorescence observation. In its setting with our slitlamp, higher-contrast images can be obtained through best matching with a cobalt blue filter.



User-friendly digital image system realized with between digital camera TD-1 and image filing

Live images with no time lag realized while still image quality level is maintained

Live images with no time lag are realized while the still image quality level is maintained by adopting a CCD comprising 1.45 mega pixels. The volume of data of still images is as compact as 100 KB in the standard exposure mode (JPEG compression) and does not apply a heavy load to your PC, which is easy-to-handle.

The light path can be changed in accordance with the right or left better eye

The light path to capture images into the digital camera can be changed in accordance with the examiner's better eye. By adjusting the light path in accordance with the better eye, the fundus can be observed without worrying about displacement between an image in the field of view and a captured image. *1

One connecting cable allows data communication and power supply

An IEEE 1394 cable (standard accessory) is used as the data communication cable, which allows high-speed and stable image transfer. Since this cable is also used for power supply, cable configuration is very simple.



Slitlamp models compliant with TD-1 types



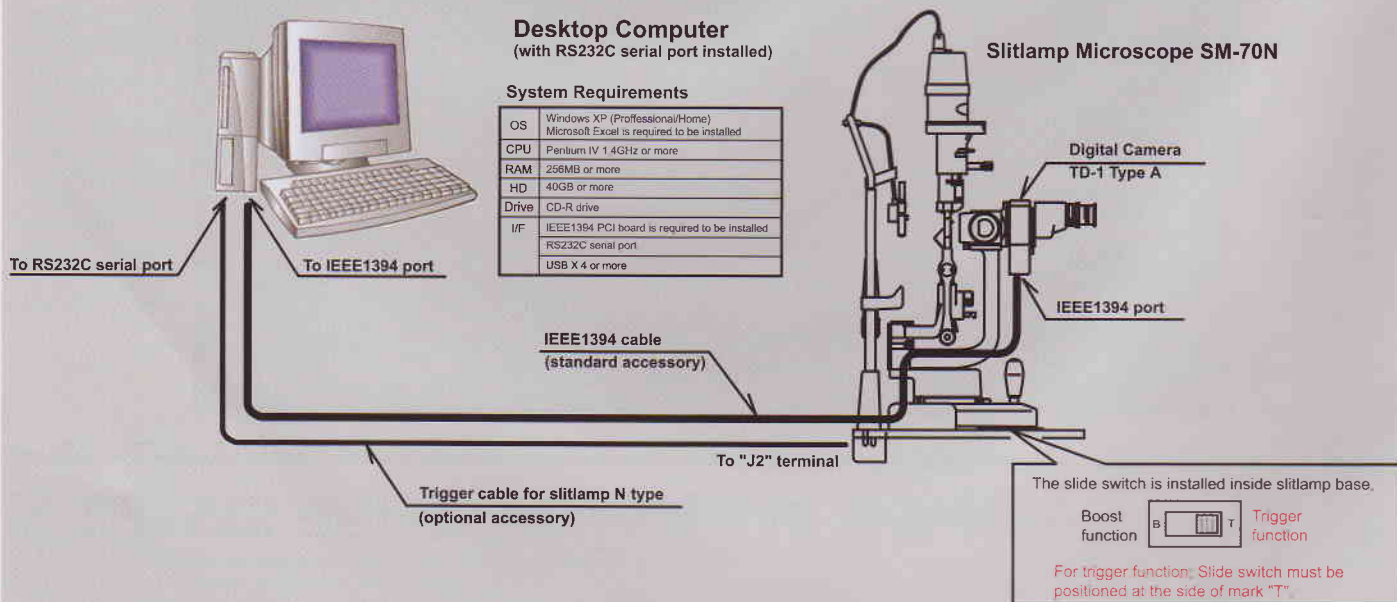
TD-1 type A Compliant models
SM-70N, SM-70, SM-90N, SM-90



TD-1 type B Compliant models
SM-2N, SM-2, SM-4N, SM-4



Connection to desktop computer with RS232C serial port installed



Simple operation by collaboration software EyeCAM

Languages of each country available

Screens and menus are displayed in the language appropriate to each country by rewriting the language file. Since there are some languages which are not available, contact us for details. *2, *3

Scene file buttons to call exposure conditions instantaneously

Settings of the digital camera can be changed and saved in 6 types of scene files according to the exposure region and the iris color of the subject. Accordingly, clicking a button appropriate to each region can call the most favorable condition and make an exposure. In addition, fine adjustment is made possible according to the region by moving the slider cursor. *4

Scene file buttons

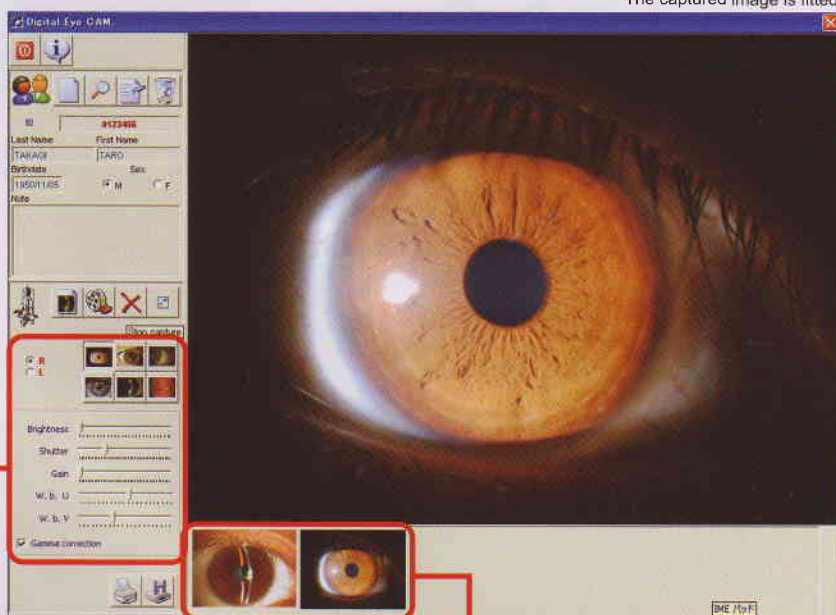


From the upper row left, anterior ocular segment exposure (iris in dark color), slit exposure (iris in dark color), and sclera exposure

From the lower row left, anterior ocular segment exposure (iris in light color), slit exposure (iris in light color), and fundus exposure

Image Filing Software EyeCAM

The captured image is fitted.



Capturing of still image with one push



By using a trigger cable (option), a still image can be captured every time the joystick button of the slitlamp is pushed. The captured images can be displayed as the thumbnail images in the lower part of the screen. *5

Simple operation with wide choice of icon menu

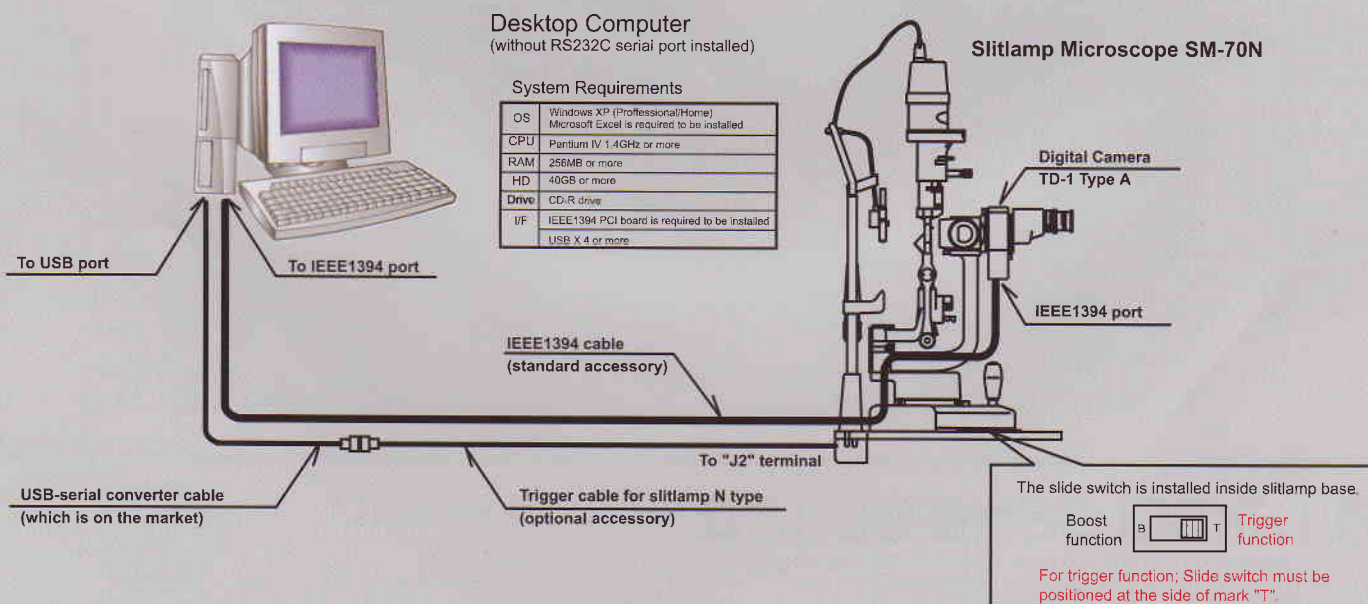
All basic operations can be performed with the icon buttons on the screen. There is no need to review the Instruction Manual multiple times or remember the location of a pull-down menu.

Capturing of video images with no time lag

Video images with no time lag (frame rate: 11 fps) can be saved on the VGA screen. Setting a time can automatically complete video capturing. *6, *7

*1: Factory option. *2: You can select either of the two languages of Japanese and English when the product is shipped from the factory. *3: Each setting screen is displayed in English no matter what the language file. *4: Fine adjustment on this screen is not saved. Save each setting on the setting screen. *5: The trigger cable may not be available depending on the type of the slitlamp. For more information, contact us. *6: Moving images cannot be captured with the joystick button. Capture them with the button on the software screen. *7: The time required for saving captured video images depends on the performance of hardware.

Connection to desktop computer without RS232C serial port installed



Screen to set camera properties

The most favorable conditions for the exposure of each region can be set by linking this screen with scene buttons. Values are set using slider cursors for each parameter. When setting values, you can make fine adjustment while checking changes in a live image by the preview screen on the setting screen. This is very convenient.

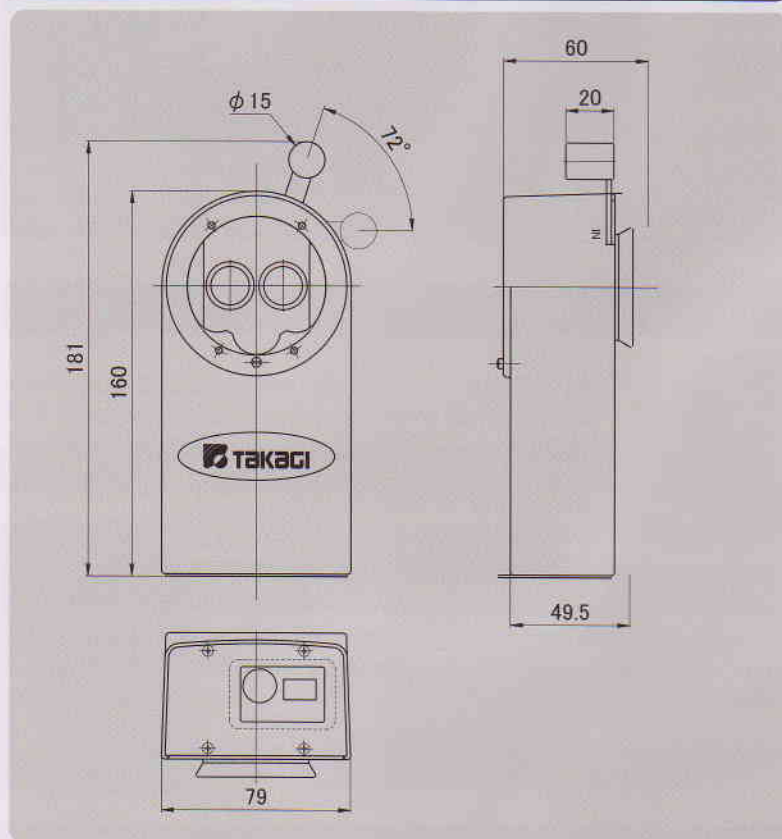


Simple registration of patients and user-friendly search function

Registration of patients is completed only with their IDs. Of course, addition and correction is possible after registration. A patient can be searched from each key of his or her ID, Last Name, and First Name.



Dimensions (mm)



Background illumination device BG-01 (option)

Higher-quality images can be obtained by installing the background illumination device BG-01 onto the slitlamp.



Software Package

Software CD-ROM-----1 pcs.
USB key-----1 pcs.



Camera specifications

Image Device	1/2" Type progressive scan SONY IT CCD
Effective Picture Elements	Up to 1280x960 pixel (Format 2) supporting all smaller fixed formats; 1394x1040 (Format 7 Mode 0)
Picture Size	7 Mode 0)
Resolution Depth	8 Bit
Color Modes	Raw8 (Mono8), YUV4:2:2, YUV4:1:1
Digital Interface	IEEE1394; DCAM V1.30
Transfer Rate	100, 200, 400 Mb/s
Frame Rate	3.75Hz; 7.5Hz; up to 15Hz in Format 7
Power Requirements	DC 8V - 36V via IEEE1394 cable
Power Consumption	Less than 3 Watt (@ 12V DC)

System Requirements

OS : Windows XP(Professional /Home)
Microsoft office is required to be installed
CPU : Pentium IV 1.4GHz or more
RAM : 256MB or more

IEEE1394 PCI board is required to be installed



• Design and specifications are subject to change as improvements are made to the product.

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