

TRC-NW400

Non-Mydriatic Retinal Camera

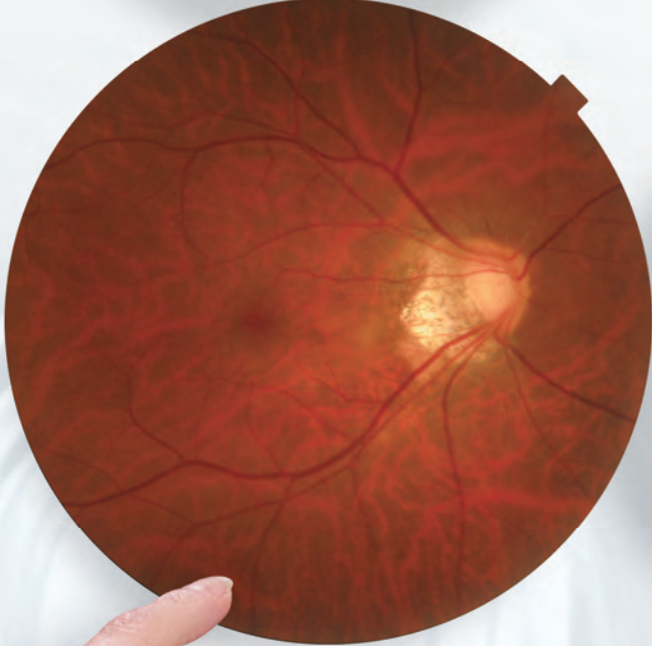


PERFORMANCE
YOU CAN COUNT ON



Healthy Eye

Healthy Eye



Myopia & Glaucoma Suspicious



Epiretinal Membrane



**High Quality Image
Meets Ease of Use**



TRC-NW400 NON-MYDRIATIC RETINAL CAMERA

Features

- » **True Color Fundus Images**
 - High quality sensor using proprietary technology
- » **Easy to Navigate**
 - Fully automated fundus photography
 - Intuitive touch screen control panel
- » **Space Saving**
 - Rotating touch screen control panel
 - Compact and modern design
- » **Versatile and Simple Operation**
 - DICOM and various connectivity



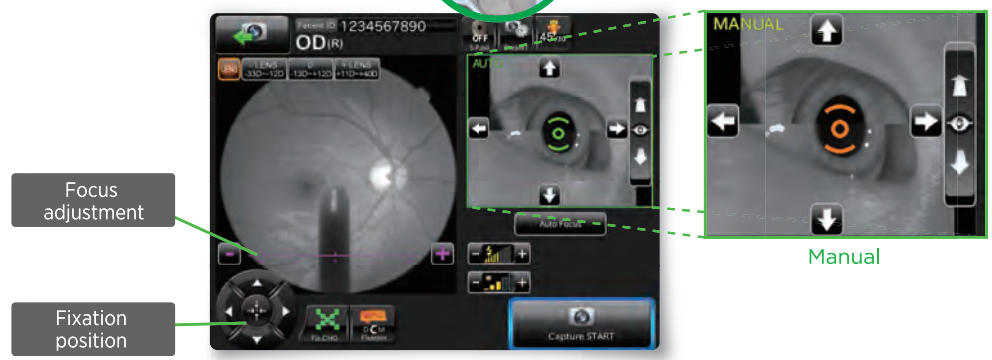
Fully Automatic Mode

In full auto mode, **Alignment, Focusing, Shooting** and movement between right eye and left eye are operated automatically. Any operator can use without practice. An operator simply touches the screen to select a mode, touches the center of the pupil and presses "Capture START". Providing consistent quality results no matter who the operator.



Manual Operation Mode

In manual mode, the operator can drive the camera using the touch screen as if via the Control lever. This is particularly useful in cases where auto mode is not possible or a specific area of the fundus requires illustration. In manual mode alignment is adjusted by finger touch on the screen and illumination, flash intensity, diopter adjustment and internal fixation targets etc can be adjusted.



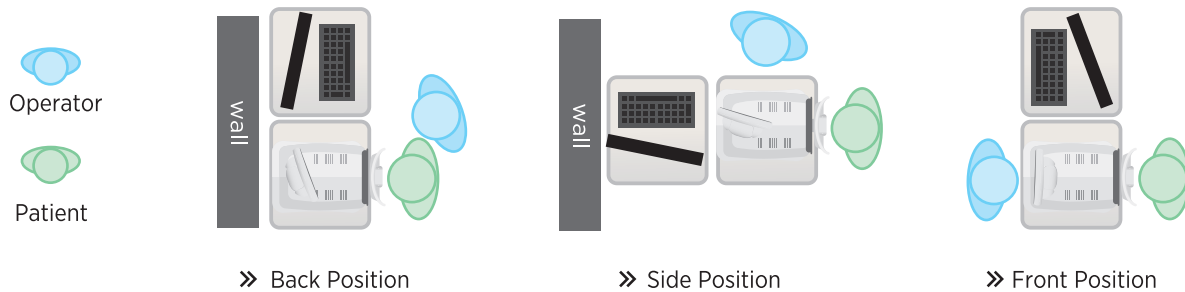
Control lever is no longer required!



Easy Operation & Space Saving

Space Saving

The TRC-NW400 incorporates a rotating touch panel monitor that allows the operation of the instrument from virtually any angle. This feature lets the photographer be in front, behind or at either side of the patient, optimizing space saving. The TRC-NW400 can comfortably be operated when located against a wall or in a corner.

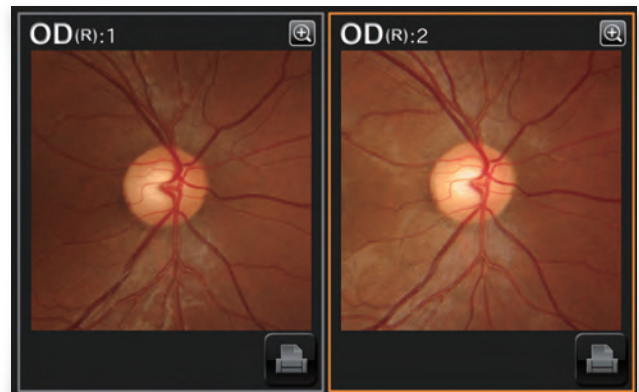


Stereo Photography



In Stereo photography mode, the alignment for a stereo pair is performed automatically. Following the prompts on screen a stereo pair for stereo viewing can be quickly and easily acquired.

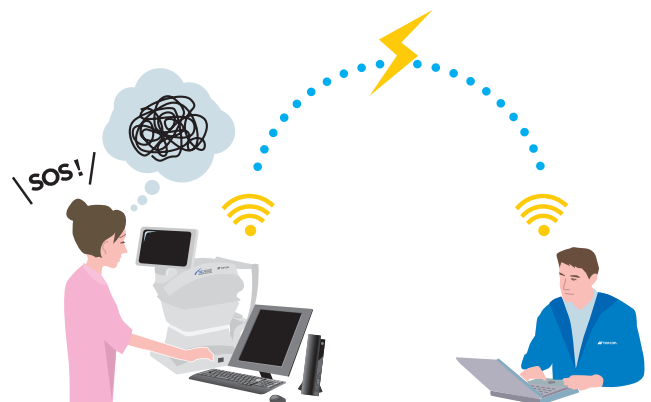
* Stereo viewer software is not incorporated.



Remote Connectivity

The TRC-NW400 has remote access capability. To allow uninterrupted operation of the instrument, technical support specialists are able to connect remotely to the camera via an internet connection for updating the version or checking the status etc.

*subject to local contract
*subject to local infrastructure



Internal Fixation Operation



The Traditional 3 fixation targets (Disc, Center and Macula) as well as the 9 fixation target for peripheral photography are incorporated.

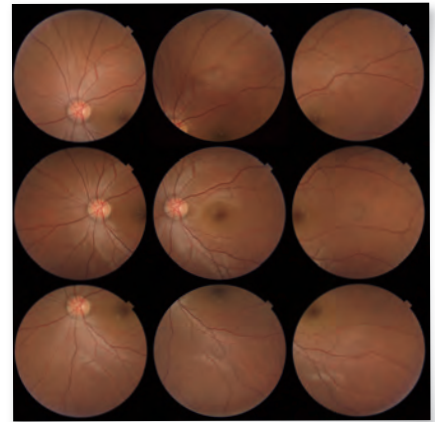
* Panorama software is not incorporated.



D

C

M



9 Fixation Target

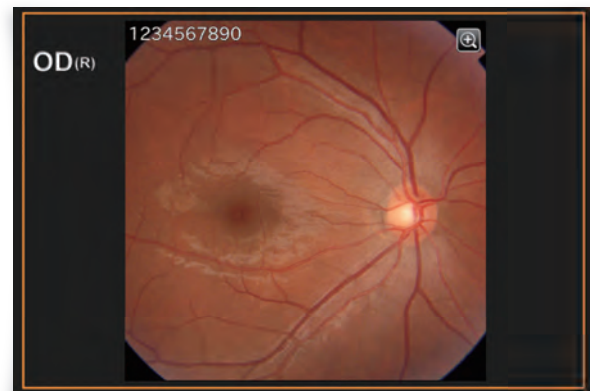
Small Pupil Photography & Zoom Function



The TRC-NW400 enables the user to acquire retinal images with pupils as small as 3.3mm, with assistance functions as small pupil aperture, digital zooming function and overlaid mask.

When the "small pupil mode" is selected, the camera will automatically adjust for small pupils.

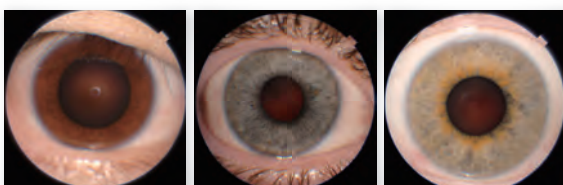
*Details depend on setting



Anterior Photography



Handy anterior photography function allows for quick documentation of external conditions of the eye surface and cornea.



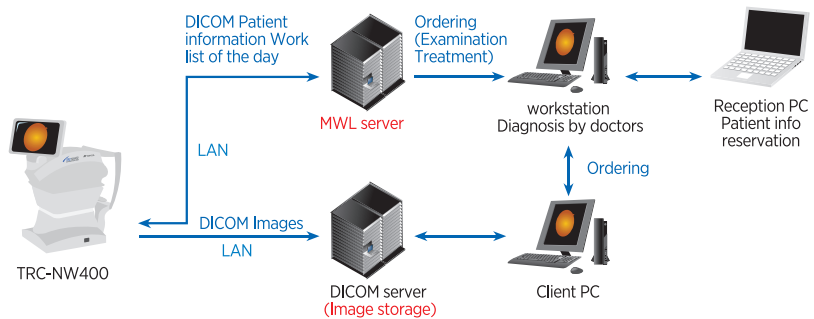
High Sensitivity and Low Flash

For patient comfort and compliance, a low 4.0Ws flash intensity is normally utilized, producing excellent images with low flash and reducing patient's stress.

TRC-NW400 is incorporated with USB and LAN interface allowing flexible storage solutions.

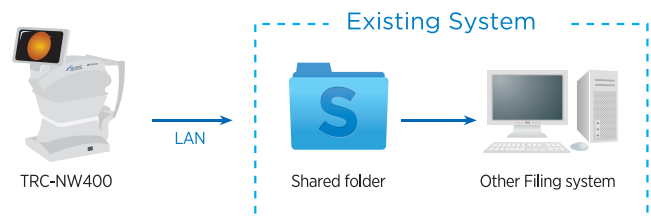
Direct DICOM NEW

The TRC-NW400 is DICOM compliant, making it easy to integrate within PACS and EMR programs.



Shared Folder NEW

The TRC-NW400 can save images into a shared folder on a network. By using shared folder, the third party's system can retrieve the images from TRC-NW400 and save them into their system.



IMAGEnet™

IMAGEnet is TOPCON's ophthalmic data system that allows you to manage TRC-NW400 and data from other modalities.

IMAGEnet Web-based viewer allows you to access IMAGEnet images through other filing software via internet browser.



Ez Capture™

A basic software for image acquisition. This allows you to save digital images to a PC instantly or to export images automatically to an external system.



Direct Storage

Direct Storage is the simplest configuration and does not require an external PC. Convenient for mobile stations or when a network is not used.



Specification

Observation & photography of the fundus

Angle of coverage	45°/30° or equivalent (digital zoom)
Working distance	34.8mm (in fundus photography)
Pupil diameter for photography	45°: ϕ 4.0mm or more Small pupil diameter: ϕ 3.3mm or more
Fixation target	Internal fixation target: Dot matrix type organic EL The display position can be changed and adjusted. The displaying method can be changed. Peripheral fixation target: This is displayed according to the internal fixation target displayed position. External fixation target

Patient Diopter Correction Range

Without the diopter compensation lens *	-13D to +12D
When the concave compensation lens is used	-12D to -33D
When the convex compensation lens is used	+11D to +40D

Power Source

Source Voltage	AC100-240V
Power Input	120VA
Frequency	50-60Hz

Dimensions and Weight

Dimensions	272 - 383mm (W) × 464 - 660mm (D) × 512 - 700mm (H)
Weight	18kg

*Area where the split lines are used.

Optional Accessory



External fixation target
EF-2



CLASS 1 LED PRODUCT
(IEC60825-1:2001)



* Not available in all countries, please check with your distributor for availability in your country
* Subject to change in design and/or specifications without advanced notice

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

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