

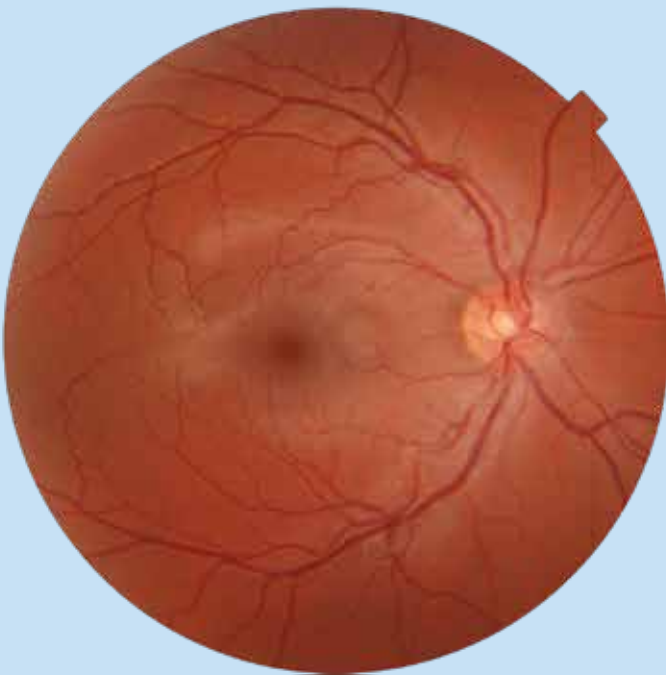
TRC-NW400

Non-Mydriatic Retinal Camera

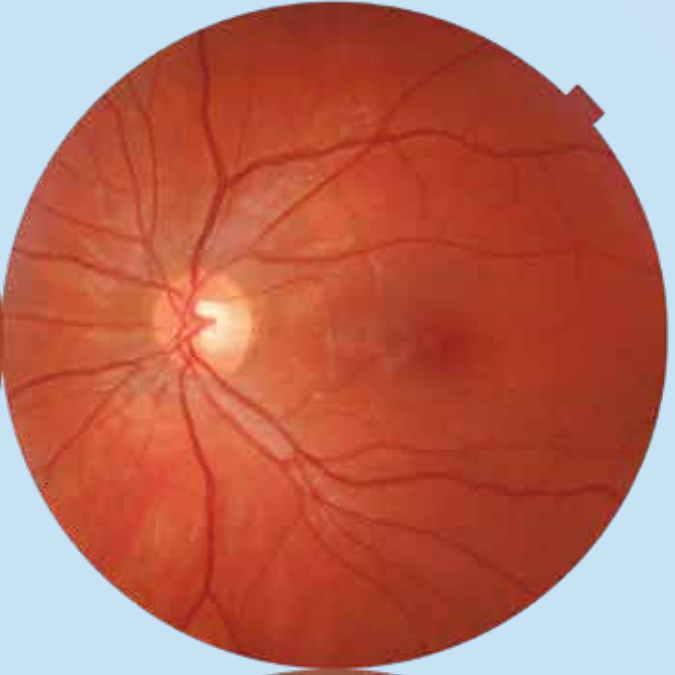


High quality image meets ease of use

Healthy eye



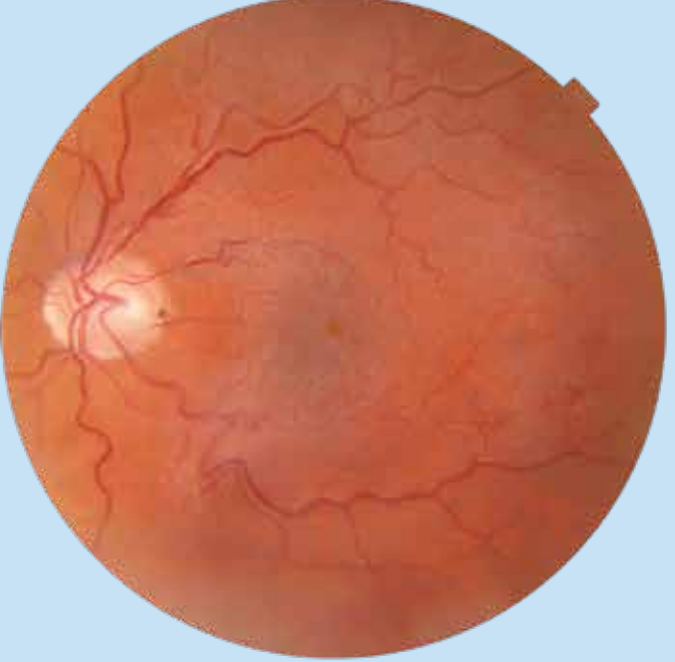
Healthy eye



High myopia &
glaucoma suspicious



Epiretinal membrane





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



TRC-NW400

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 the

TRC-NW400 without practice. An operator simply touches the screen to select a mode, touches the center of the pupil and presses "Capture START".



Manual operation mode

In manual mode, the user can operate the camera using the touch screen the same as 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 a finger touch on the screen and illumination, flash intensity, diopter adjustment, internal fixation targets etc. can be adjusted.



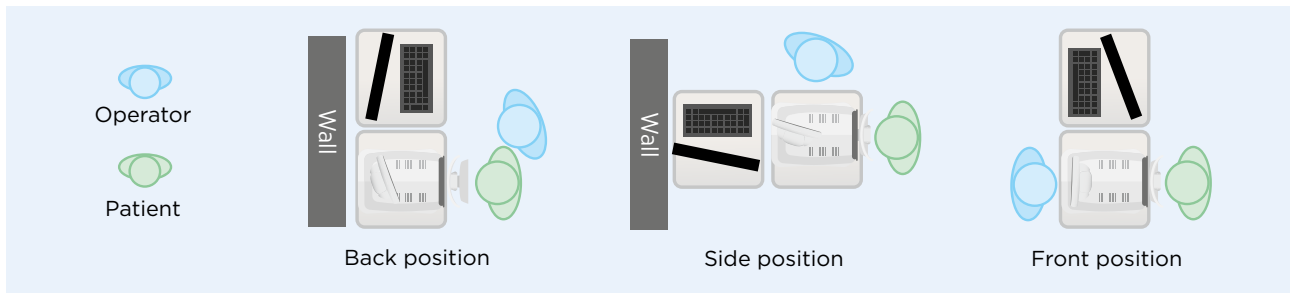
Easy operation and space saving

Perfect solution in a limited space

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.



The IC-1 wall mounted instrument column is designed especially for combinations with Topcon's line of touch screen operated instruments.

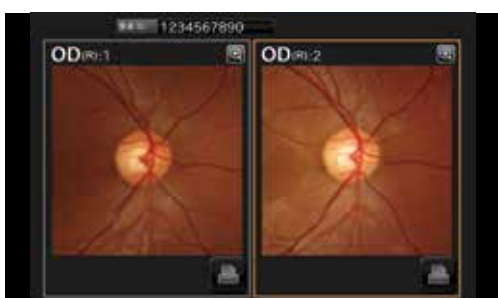
This workstation set up saves valuable floor space and is easy accessible for wheel chairs.

The TRC-NW400 combined with an IC-1 will fit seamlessly in any consulting room or practice. The TRC-NW400 can easily be combined with a touch screen PC.



Brightness Shield BS-1

Light conditions in examination rooms have an influence on the image quality of non-mydriatic fundus images. In some rooms the light conditions are hard to control or adapt. The optional Topcon BS-1 Brightness Shield will help to reduce undesired light. The slim and sophisticated design will not interfere with patient interaction.



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 optional

Other features



D



C



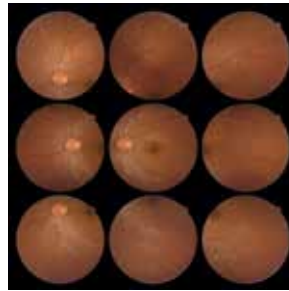
M



Internal fixation operation

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

*Mosaic software is optional



9 Fixation targets



Small pupil photography & zoom function

The TRC-NW400 enables the user to acquire retinal images with pupils as small as 3.3 mm, 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.



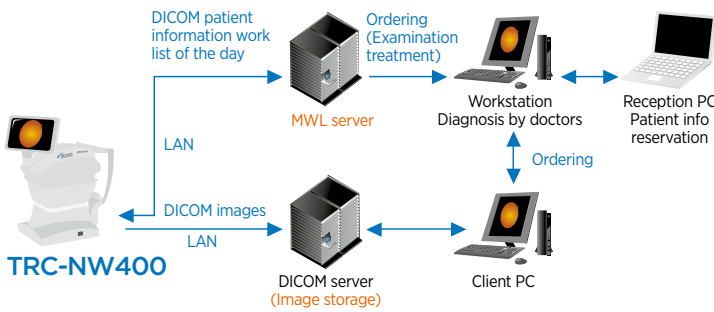
Anterior photography

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 the patient's stress.

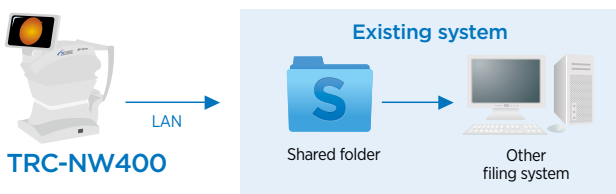
Connectivity



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

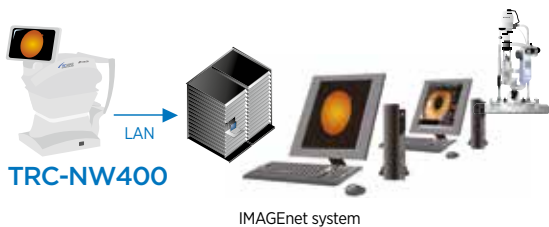
Direct DICOM

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



Shared folder

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



IMAGENet

The TRC-NW400 is supplied with basic IMAGENet software. IMAGENet is a solution for image and data capturing, processing and storing. IMAGENet fulfills the basic needs of image enhancement.

This software can be upgraded with more sophisticated imaging tools, mosaic fundus image software and a module for refraction equipment.



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.

Specifications

Observation and photography of fundus image	
Angle of coverage	45°/30° or equivalent (digital zoom)
Working distance	34.8 mm (in fundus photography)
Pupil diameter for photography	45°: Ø 4.0 mm or more Small pupil diameter: Ø 3.3 mm or more
Fixation target	<p>Internal fixation target:</p> <ul style="list-style-type: none"> - Dot matrix type organic EL - The display position can be changed and adjusted - The displaying method can be changed <p>Peripheral fixation target:</p> <ul style="list-style-type: none"> - This is displayed according to the internal fixation - Target displayed position
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	AC 100 - 240V
Power input	120VA
Frequency	50Hz - 60Hz
Dimensions and weight	
Dimensions	272 - 383 mm (W) × 464 - 660 mm (D) × 512 - 700 mm (H)
Weight	18 kg

* Area where the split lines are used

Optional accessory



External fixation target EF-2

Brightness shield BS-1



IMPORTANT Subject to change in design and/or specifications without advanced notice. In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Medical device Class IIa. Manufacturer: Topcon Corporation.



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