

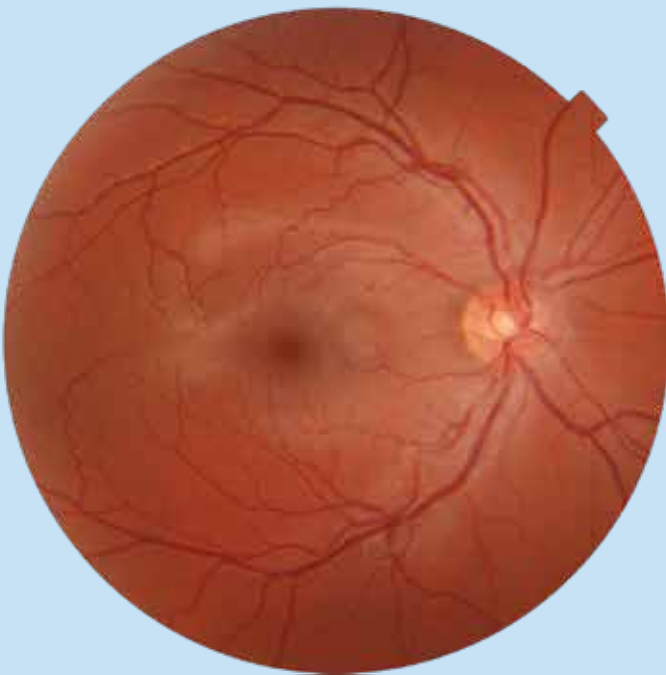
# TRC-NW400

Non-Mydriatic Retinal Camera

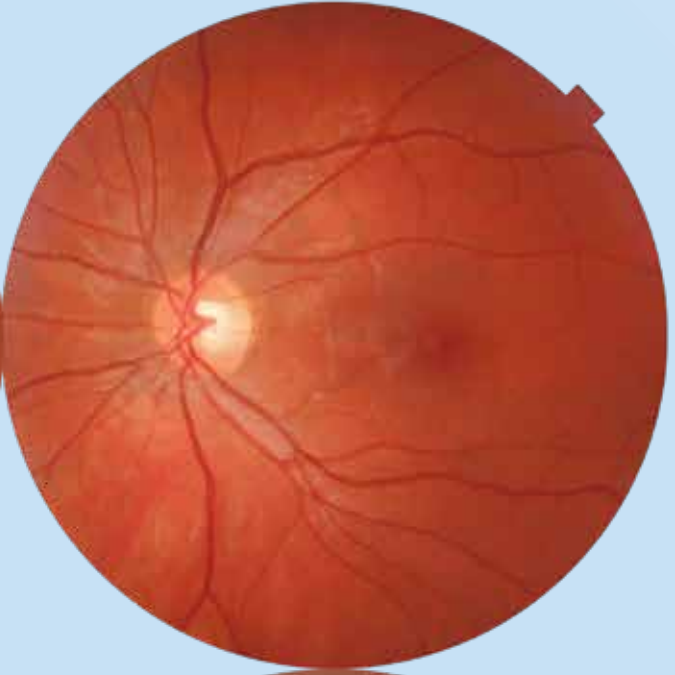


# High quality image meets ease of use

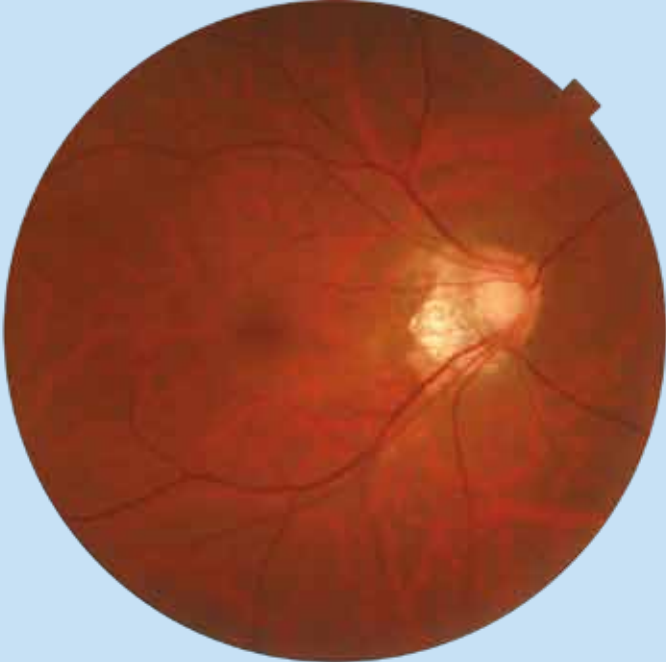
Healthy eye



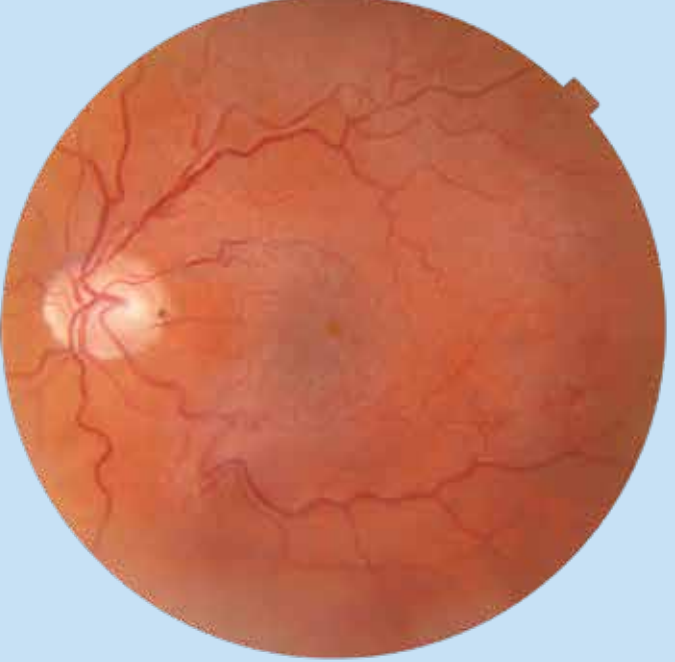
Healthy eye



High myopia &  
glaucoma suspicious



Epiretinal membrane





## 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

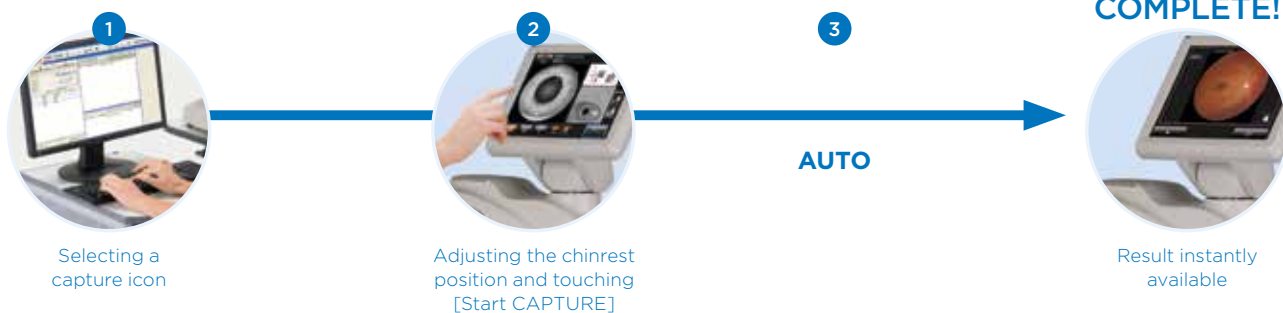


# TRC-NW400

## 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.

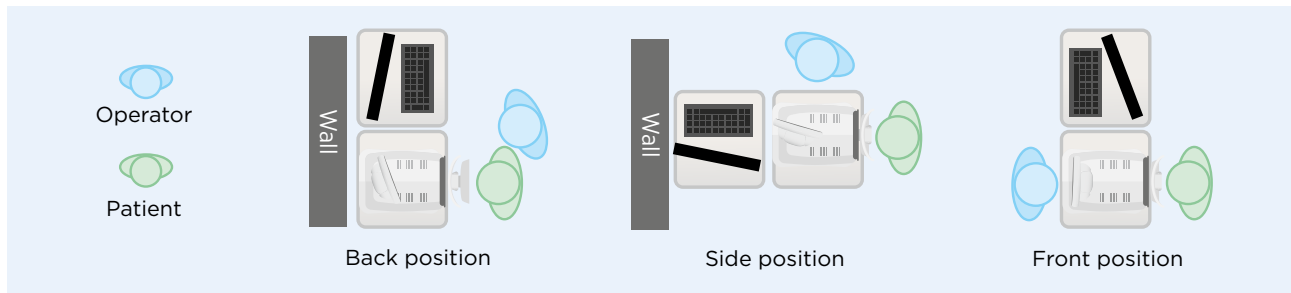


# Easy operation and space saving

## 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.



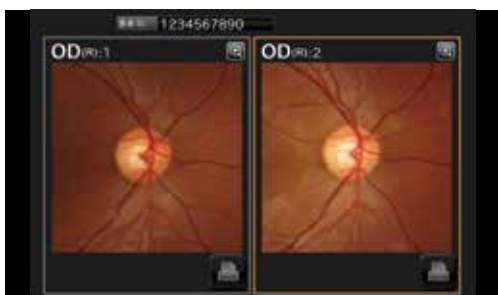
The IC-1 wall mounted instrument column is designed especially for combinations with Topcon's line of touch screen operated instruments. This workstation set up saves valuable floor space and is easy accessible for wheel chairs.

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



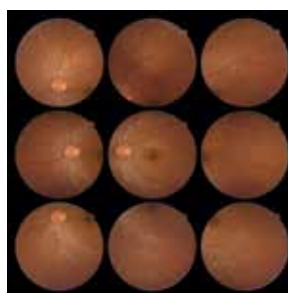
M



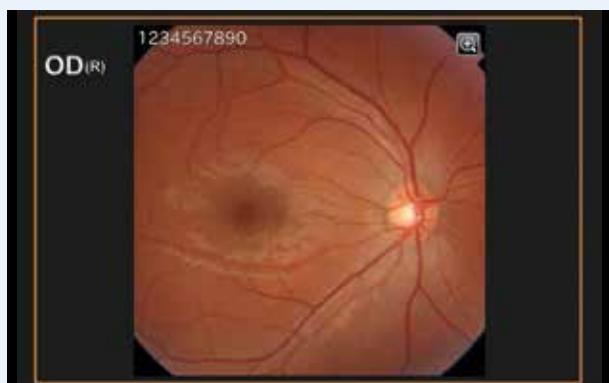
### Internal fixation operation

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.



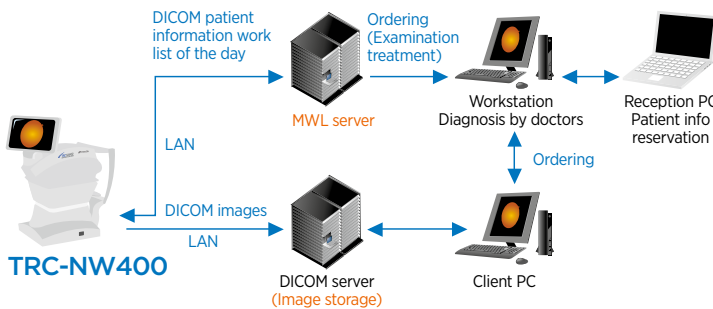
### Anterior photography

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.

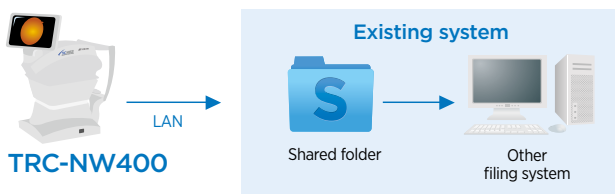
# Connectivity



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

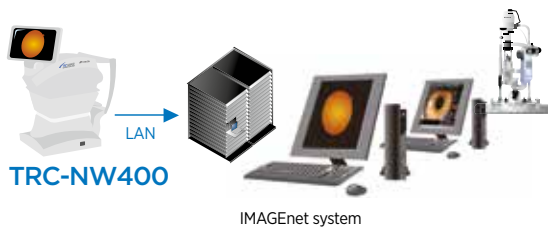
## Direct DICOM

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



## Shared folder

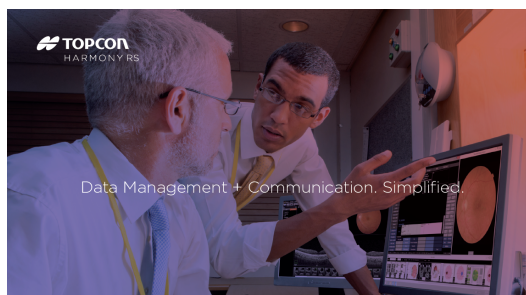
The TRC-NW400 can save images into a shared folder on a network. By using a shared folder, the third party's system can retrieve the images from TRC-NW400 and save them into their system.



## IMAGEnet®

The TRC-NW400 is supplied with basic IMAGEnet® software. IMAGEnet® is a solution for image and data capturing, processing and storing. IMAGEnet® fulfils 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.



## Topcon Harmony Referral System (Harmony RS)

Solve your data management and communication challenges with the next-generation software application, Topcon Harmony Referral System (Harmony RS). Harmony RS allows you to connect all of your diagnostic instruments, regardless of manufacturer, in one secure, web-based platform, while supporting both Artificial Intelligence integrations and telemedicine.

## Specifications

<b>Observation and photography of fundus image</b>	
<b>Angle of coverage</b>	45°/30° or equivalent (digital zoom)
<b>Working distance</b>	34.8 mm (in fundus photography)
<b>Pupil diameter for photography</b>	45°: Ø 4.0 mm or more Small pupil diameter: Ø 3.3 mm or more
<b>Fixation target</b>	<b>Internal fixation target:</b> <ul style="list-style-type: none"> <li>- Dot matrix type organic EL</li> <li>- The display position can be changed and adjusted</li> <li>- The displaying method can be changed</li> </ul> <b>Peripheral fixation target:</b> <ul style="list-style-type: none"> <li>- This is displayed according to the internal fixation</li> <li>- Target displayed position</li> </ul>
<b>Patient diopter correction range</b>	
<b>Without the diopter compensation lens*</b>	-13D to +12D
<b>When the concave compensation lens is used</b>	-12D to -33D
<b>When the convex compensation lens is used</b>	+11D to +40D
<b>Power source</b>	
<b>Source voltage</b>	AC 100 - 240V
<b>Power input</b>	120VA
<b>Frequency</b>	50Hz - 60Hz
<b>Dimensions and weight</b>	
<b>Dimensions</b>	272 - 383 mm (W) × 464 - 660 mm (D) × 512 - 700 mm (H)
<b>Weight</b>	18 kg

\* Area where the split lines are used

## Optional Accessories :

### External Fixation Target EF-2



External fixation target EF-2

### Brightness Shield BS-1



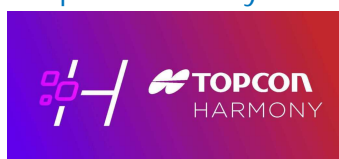
### Electric Table AIT-16



## Topcon IMAGeNet® 6

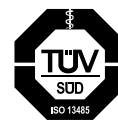


## Topcon Harmony



### 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.



TOPCON CORPORATION

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**Topcon Europe Medical B.V.**  
Essebaan 11; 2908 LJ Capelle a/d IJssel; P.O. Box 145;  
2900 AC Capelle a/d IJssel; The Netherlands  
Phone: +31-(0)10-4585077; Fax: +31-(0)10-4585045  
E-mail: medical@topcon.eu; www.topcon-medical.eu

**Topcon Danmark**  
Præstemarksvej 25; 4000 Roskilde, Denmark  
Phone: +45-46-327550; Fax: +45-46-327555  
E-mail: info@topcon.dk  
www.topcon.dk

**Topcon Scandinavia A.B.**  
Neogatan 2; P.O. Box 25; 43151 Mölndal, Sweden  
Phone: +46-(0)31-7109200; Fax: +46-(0)31-7109249  
E-mail: medical@topcon.se; www.topcon.se

**Topcon España S.A.**  
HEAD OFFICE; Frederic Mompou, 4;  
08960 Sant Just Desvern; Barcelona, Spain  
Phone: +34-93-4734057; Fax: +34-93-4733932  
E-mail: medica@topcon.es; www.topcon.es

**Topcon Italy**  
Viale dell'Industria 60;  
20037 Paderno Dugnano, (MI) Italy  
Phone: +39-02-9186671; Fax: +39-02-91081091  
E-mail: info@topcon.it; www.topcon.it

**Topcon France Medical S.A.S.**  
BAT A1; 3 Route de la Révolte, 93206 Saint Denis Cedex  
Phone: +33-(0)1-49212323; Fax: +33-(0)1-49212324  
E-mail: topcon@topcon.fr; www.topcon-medical.fr

**Topcon Deutschland GmbH**  
Hanns-Martin-Schleyer Strasse 41;  
D-47877 Willich, Germany  
Phone: (+49) 2154-885-0; Fax: (+49) 2154-885-177  
E-mail: info@topcon-medical.de; www.topcon-medical.de

**Topcon Polska Sp. z o.o.**  
ul. Warszawska 23; 42-470 Siewierz; Poland  
Phone: +48-(0)32-670-50-45; Fax: +48-(0)32-671-34-05  
www.topcon-polska.pl

**Topcon Great Britain Medical Ltd.**  
Topcon House; Kennet Side; Bone Lane; Newbury  
Berkshire RG14 5PX; United Kingdom  
Phone: +44-(0)1635-551120; Fax: +44-(0)1635-551170  
E-mail: medical@topcon.co.uk; www.topcon.co.uk

**Topcon Ireland**  
Unit 276, Blanchardstown; Corporate Park 2  
Ballycoolin; Dublin 15, Ireland  
Phone: +353-18975900; Fax: +353-18293915  
E-mail: medical@topcon.ie; www.topcon.ie



## TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan.  
Phone: 3-3558-2523/2522, Fax: 3-3960-4214, www.topcon.co.jp