

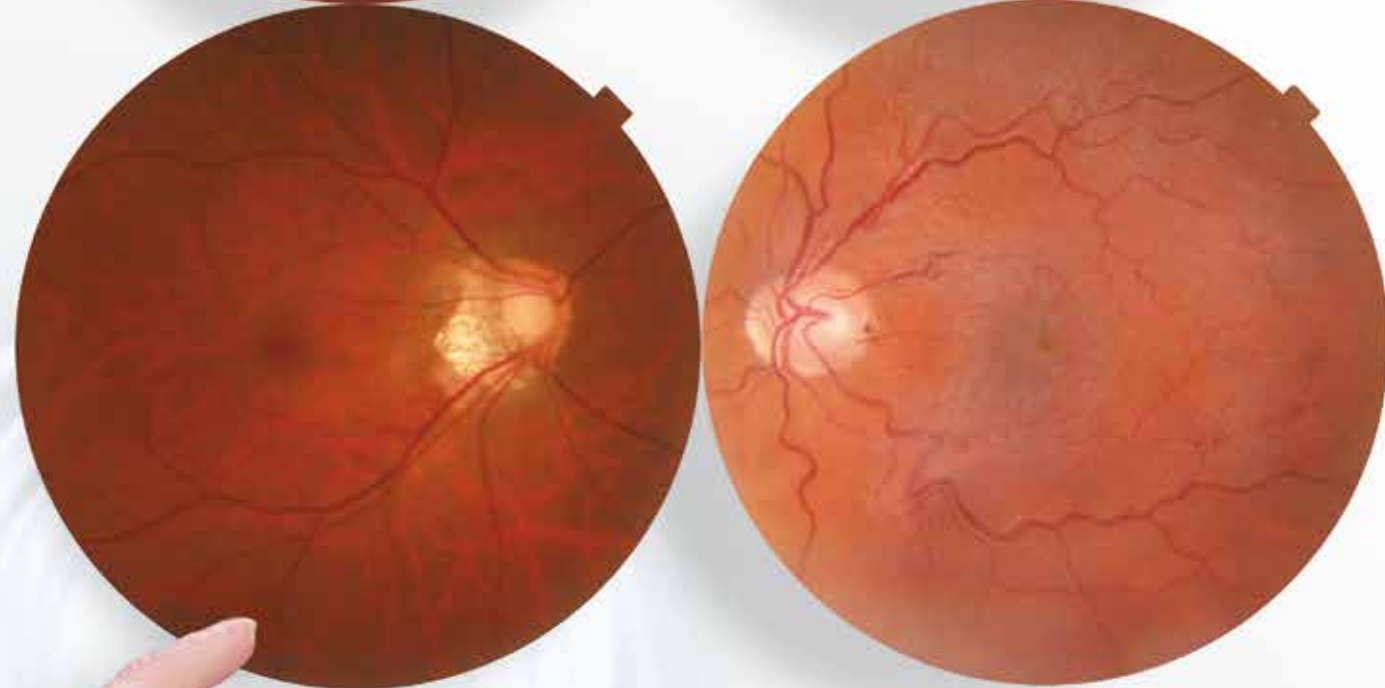
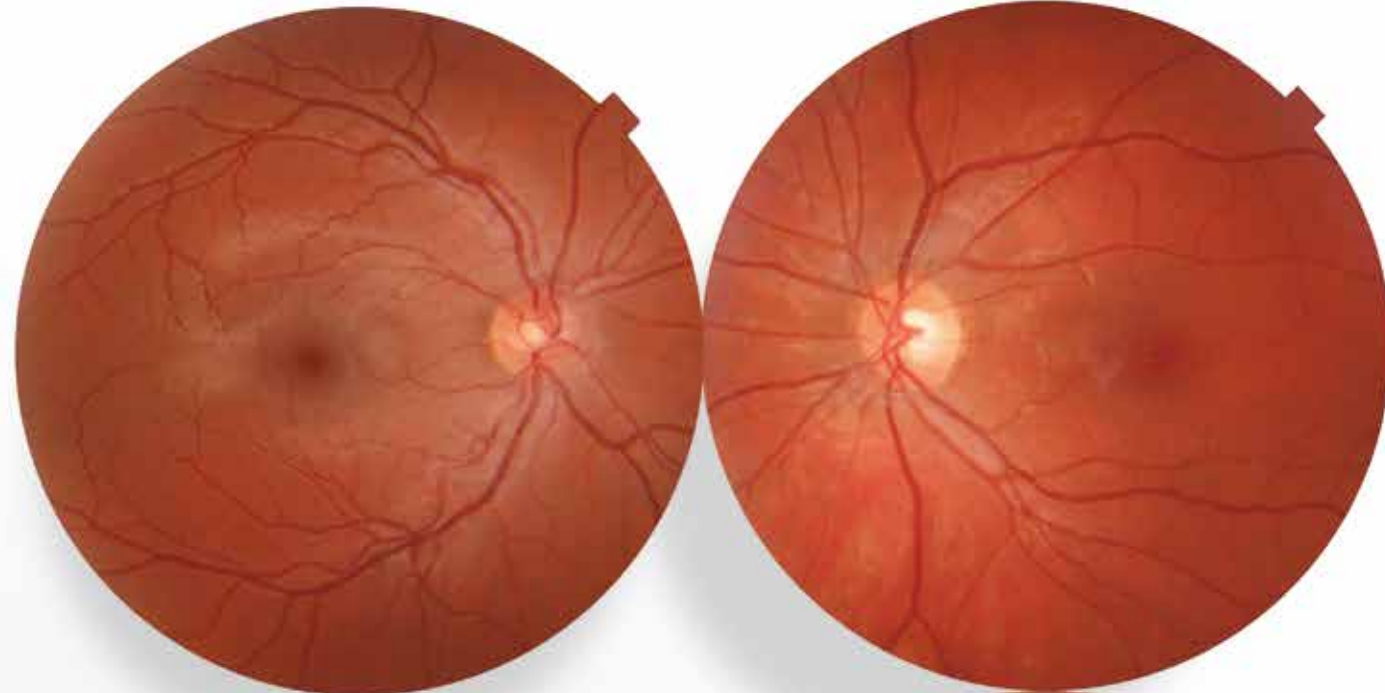
Non-Mydriatic Retinal Camera

TRC-NW400



Healthy Eye

Healthy Eye



High 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



TRC-NW400

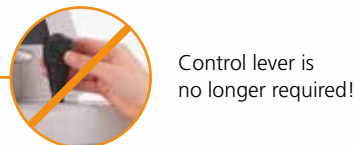
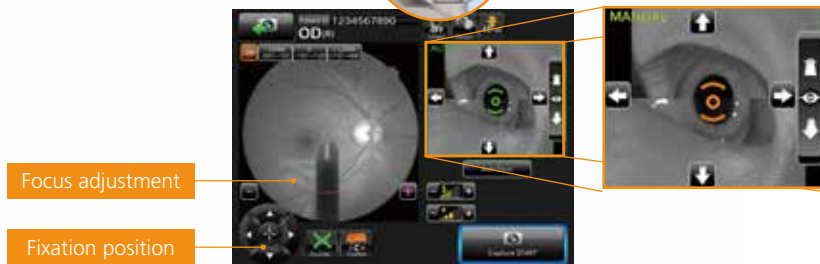
FULLY AUTOMATIC MODE

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

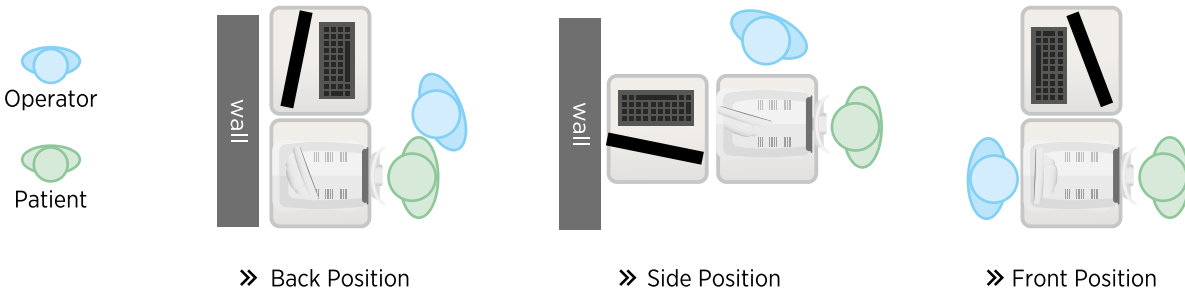
In manual mode, the operator can drive the camera using the touch screen as if via the control lever. This is particularly useful in cases where auto mode is not possible or a specific area of the fundus requires illustration. In manual mode alignment is adjusted by a finger touch on the screen and illumination,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



EASY OPERATION & 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 new line of touch screen operated instruments. This new style workstation setup saves valuable floor space and is easy accessible for wheel chairs.

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



reddot award 2014
winner

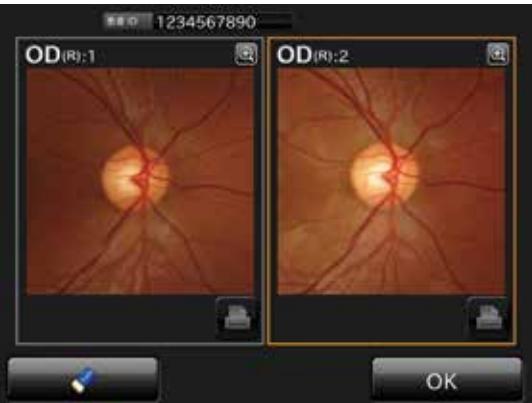
The IC-1 received the Red Dot award 2014 which is an internationally well-known design award.

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.



OTHER FEATURES

INTERNAL FIXATION OPERATION

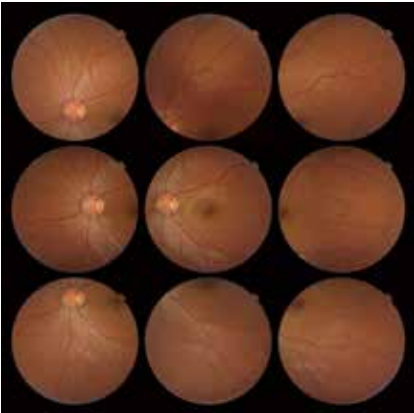


The Traditional 3 fixation targets (Disc, Center and Macula) as well as the 9 fixation target for peripheral photography are incorporated.

* Panorama software is not incorporated.



D C M



9 Fixation Target

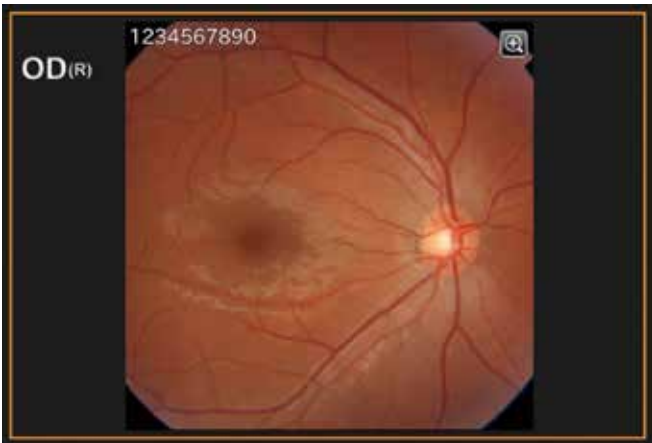
SMALL PUPIL PHOTOGRAPHY & ZOOM FUNCTION



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



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



HIGH SENSITIVITY AND LOW FLASH

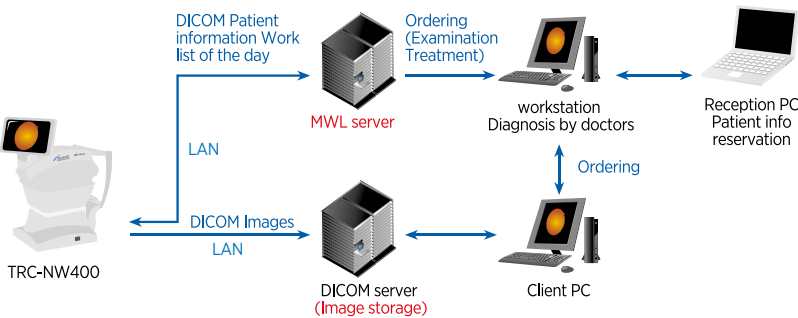
For patient comfort and compliance, a low 4.0Ws flash intensity is normally utilized, producing excellent images with low flash and reducing patient's stress.

CONNECTIVITY

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

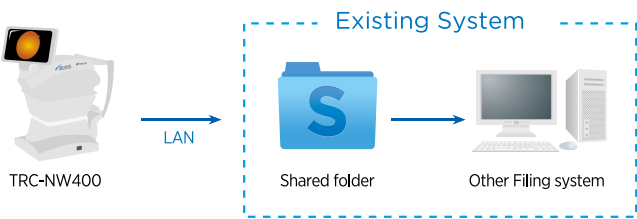
DIRECT DICOM NEW

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



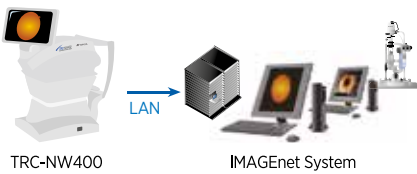
SHARED FOLDER NEW

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 I-base

The TRC-NW400 is supplied with basic IMAGeNet I-base software. IMAGeNet I-base is a solution for image and data capturing, processing and storing. IMAGeNet I-base basic fullfills the basic needs of image enhancement. This basic 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 & Photography of Fundus Image	
Angle of coverage	45°/30° or equivalent (digital zoom)
Working distance	34.8mm (in fundus photography)
Pupil diameter for photography	45°: Ø 4.0mm or more Small pupil diameter: Ø 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. Peripheral 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	AC 100-240V
Power input	120VA
Frequency	50Hz-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



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.

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
Praestemarksvej 25; 4000 Roskilde, Denmark
Phone: +45-46-327500; Fax: +45-46-327555
E-mail: info@topcondanmark.dk
www.topcondanmark.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
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.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: med@topcon.de; www.topcon.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) 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