

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)



TOPCON CORPORATION

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TOPCON CORPORATION
CONNECTING VISIONS 75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan. Phone:3-3558-2523/2522 Fax:3-3965-6898 www.topcon.co.jp

TOPCON MEDICAL SYSTEMS, INC.
111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone:+1-201-599-5100 Fax:+1-201-599-5250 www.topconmedical.com

TOPCON MEDICAL LASER SYSTEMS, INC.
3130 Coronado Drive Santa Clara, California 95054 USA
Phone:+1-408-235-8200 Phone:(USA only)+1-888-760-8657
Fax:+1-408-235-8259 Email: tmsinfo@topcon.com

TOPCON CANADA INC.
110 Provencher Avenue, Boisbriand, QC J7G 1N1 CANADA
Phone:+1-450-430-7771 Fax:+1-450-430-6457 www.topcon.ca

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.nl; www.topcon.eu

ITALY OFFICE
Viale dell'Industria 60, 20037 Paderno Dugnano, (Milano), ITALY
Phone:+39-02-9186671 Fax:+39-02-91061091 E-mail: topconitaly@tiscali.it; www.topcon.it

DANMARK OFFICE
Præstemarksvej 25, 4000 Roskilde, DANMARK
Phone:+45-46-327500 Fax:+45-46-327555
E-mail: topcon@topcondanmark.dk www.topcondanmark.dk

IRELAND OFFICE
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 S.A.R.L.
BAT A1 3 route de la révolte 93206 SAINT DENIS CEDEX
Tel:+33 1 49 21 23 23 Fax:+33 1 49 21 23 24 E-mail:topcon@topcon.fr; www.topcon.fr

TOPCON DEUTSCHLAND G.m.b.H.
Hanns-Martin-Schleyer Strasse 41, D-47877 Willich, GERMANY
Phone:+49-(0)2154-8850 Fax:+49-(0)2154-885177 E-mail:med@topcon.de; www.topcon.de

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 Esc. A Bajos 3, 08960 Sant Just Desvern Barcelona, SPAIN
Phone:+34-93-4734057 Fax:+34-93-4733932 E-mail: medica@topcon.es; www.topcon.es

TOPCON (GREAT BRITAIN) LTD.
Topcon House, Kismet 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 POLSKA Sp. z o.o.
ul. Warszawska 23, 42-470 Siewierz, POLAND
Phone:+48-(0)32-6705045 Fax:+48-(0)32-6713405 www.topcon-polska.pl

TOPCON SINGAPORE MEDICAL PTE. LTD.
1 JALAN KILANG TIMOR #09-01 PACIFIC TECH CENTRE SINGAPORE 159303
Phone:+65-68720606 Fax:+65-67738150 E-mail:medical_sales@topcon.com.sg www.topcon.com.sg

TOPCON INSTRUMENTS (MALAYSIA) SDN.BHD.
No. D1, (Ground Floor), Jalan Excella 2, Off Jalan Ampang Putra,
Taman Ampang Hilir, 55100 Kuala Lumpur, MALAYSIA
Phone:+60-(0)3-42709866 Fax:+60-(0)3-42709766

TOPCON INSTRUMENTS (THAILAND) CO.,LTD.
77/162 Sinnsathorn Tower, 37th Floor, Krungthoruri Rd., Klongsarn,
Klongsarn, Bangkok 10600, THAILAND
Phone:+66(0)2-440-1152-7 Fax:+66(0)2-440-1158

TOPCON CORPORATION BEIJING OFFICE
Block No.3, Kangding Street Beijing Economic-Technological Development Area,
Beijing, 100176, CHINA
Phone:+86-(0)10-6780-2799 Fax:+86-(0)10-6780-2790

TOPCON CORPORATION SHANGHAI OFFICE
14L Huamin Empire Plaza, No.726, Yan-an Xi Road,
Shanghai, 200050, CHINA
Phone:+86-(0)21-5238-7722 Fax:+86-(0)21-5237-0761

TOPCON CORPORATION BEIRUT OFFICE
P.O.Box 70-1002 Antelias, Beirut, LEBANON
Phone:+961-4-523525/523526 Fax:+961-4-521119

TOPCON CORPORATION DUBAI OFFICE
P.O.Box 283705, Dubai Airport Free Zone L.L.U. J-12, Dubai, U.A.E
Phone:+971-4-299-5900 Fax:+971-4-299-5901

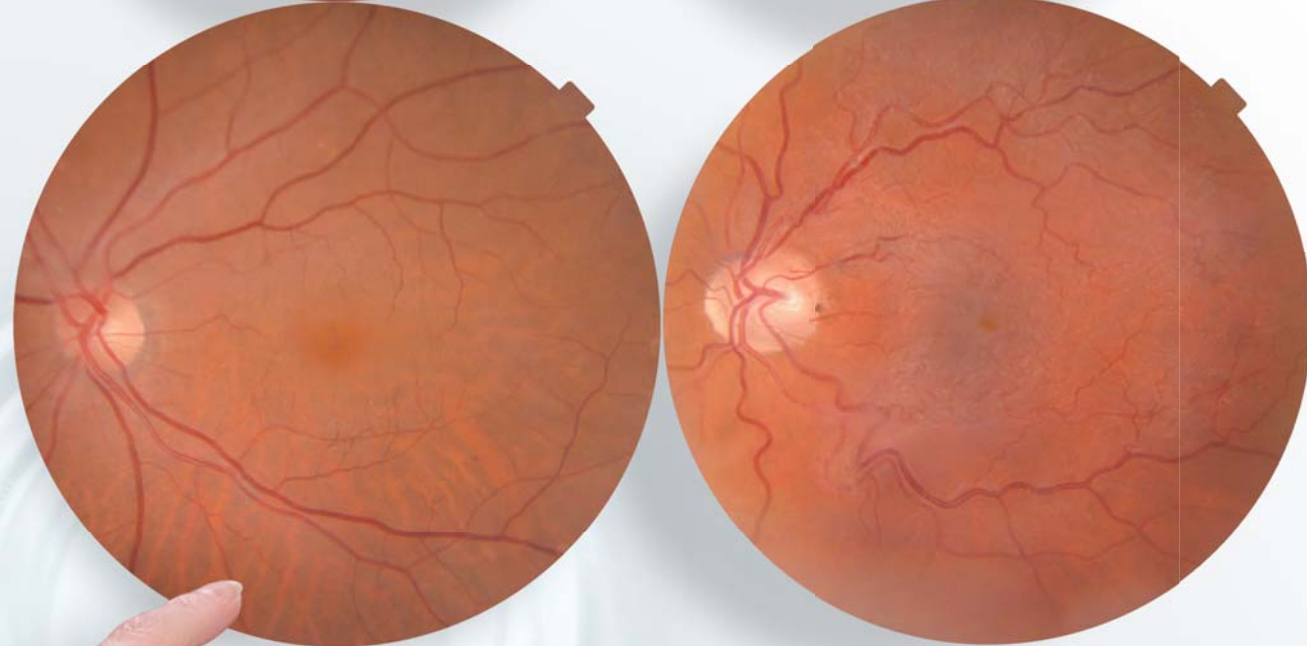
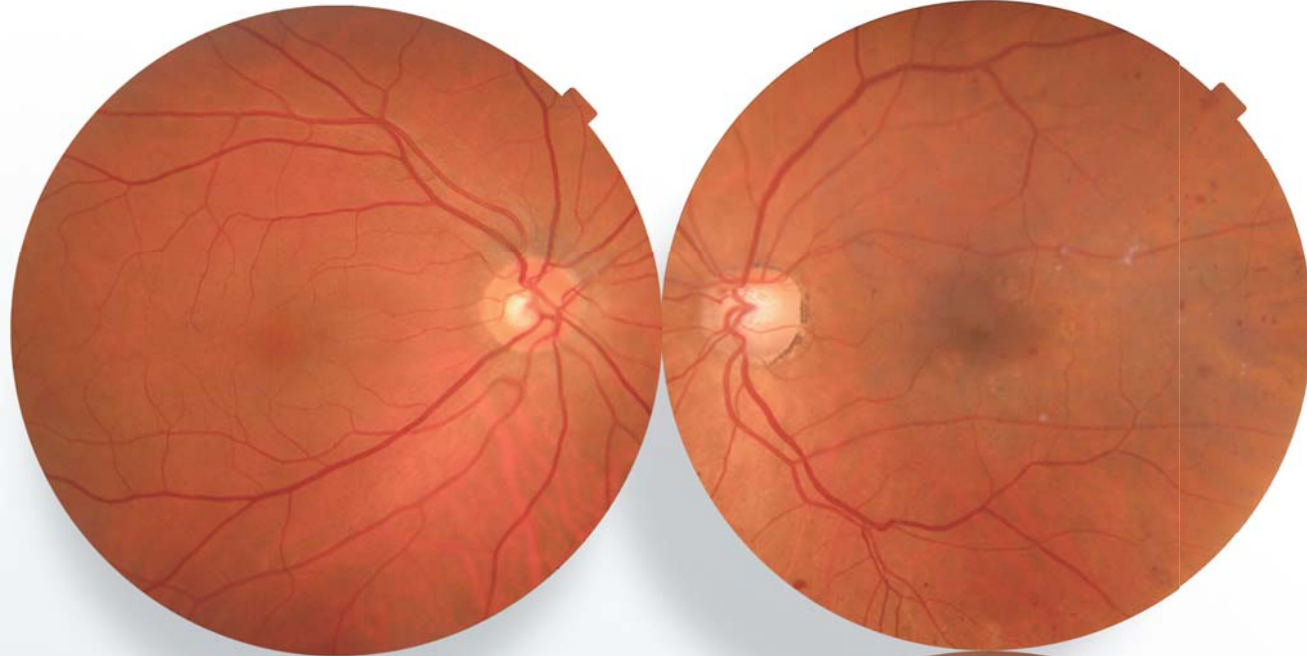
Non-Mydriatic Retinal Camera TRC-NW400



TOPCON
CONNECTING VISIONS

Healthy Eye

Glaucoma and Macula Lesions



Pseudophakia

Epiretinal Membrane

**High Quality Image
Meets Ease of Use**



TRC-NW400

NON-MYDRIATIC RETINAL CAMERA

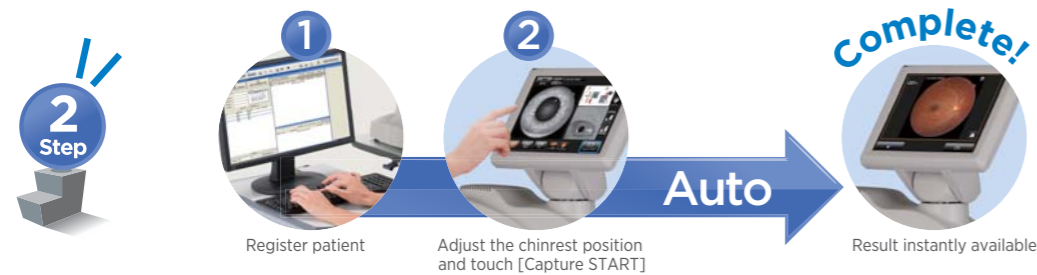
Features

- » **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



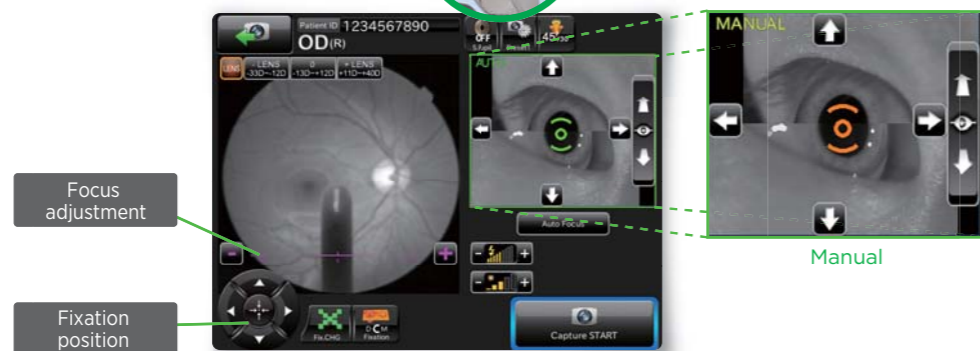
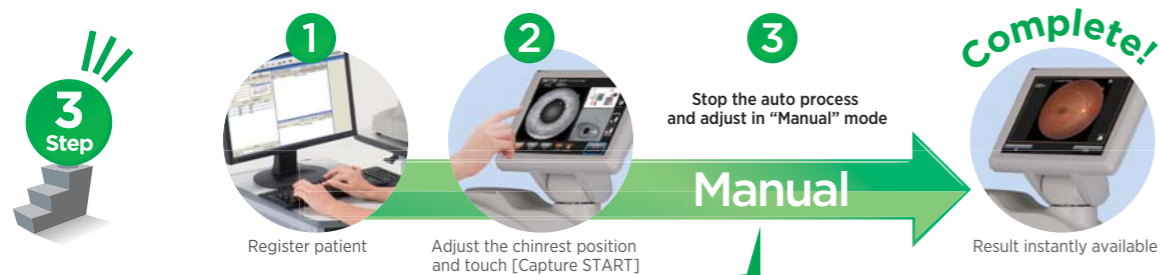
Fully Automatic Mode

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.



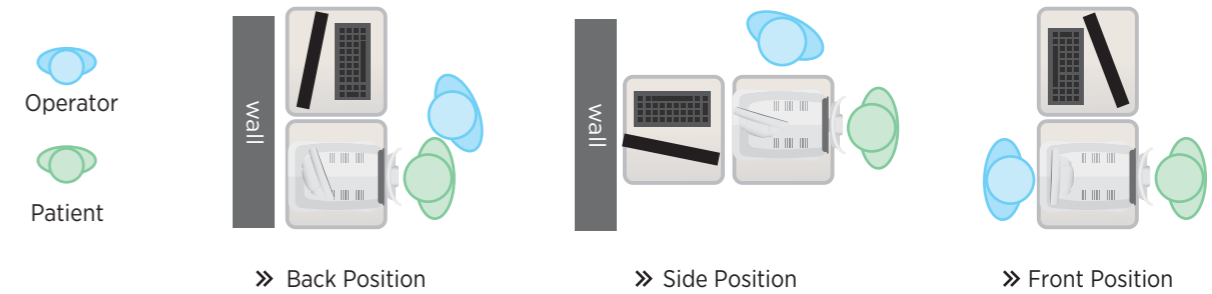
Manual Operation Mode

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.



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.

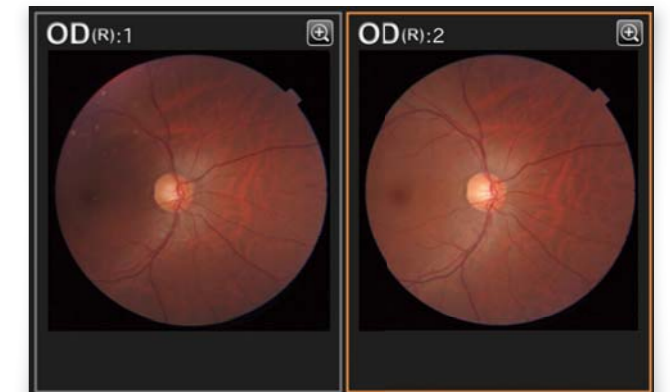


Stereo Photography



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.

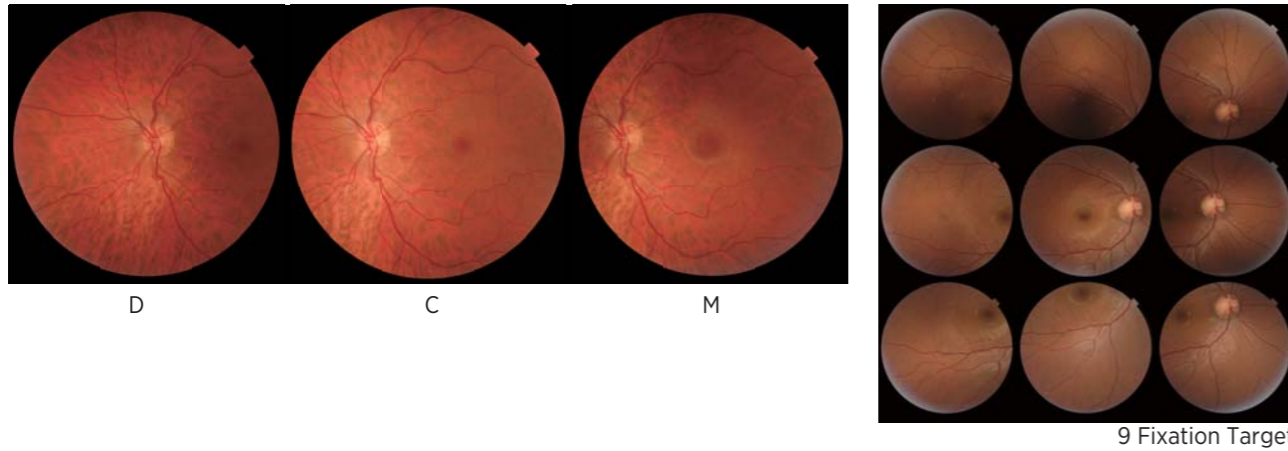
*subject to local contract
*subject to local infrastructure



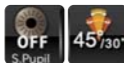
Internal Fixation Operation



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



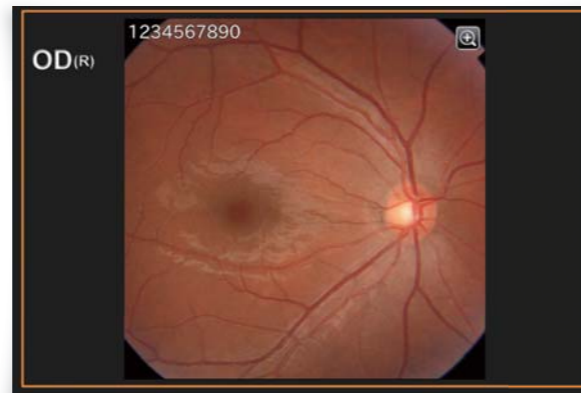
Small Pupil Photography & Zoom Function



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.

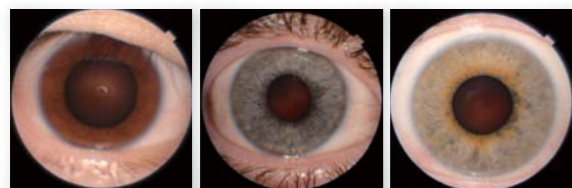
*Details depend on setting



Anterior Photography



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



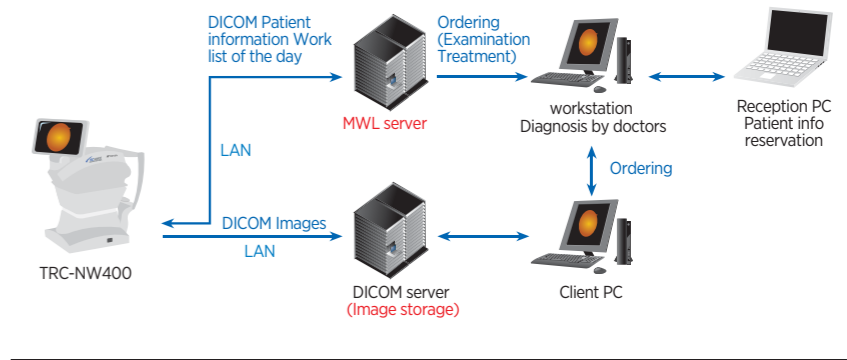
High Sensitivity and Low Flash

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.

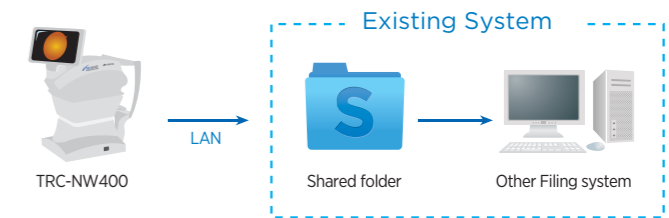
Direct DICOM NEW

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



Shared Folder NEW

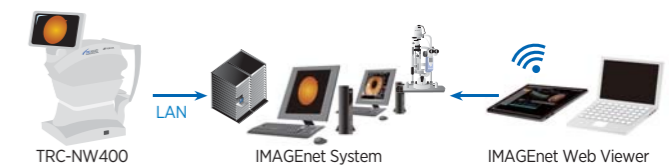
The TRC-NW400 can save images into a shared folder on a network. By using shared folder, the third party's system can retrieve the images from TRC-NW400 and save them into their system.



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.

