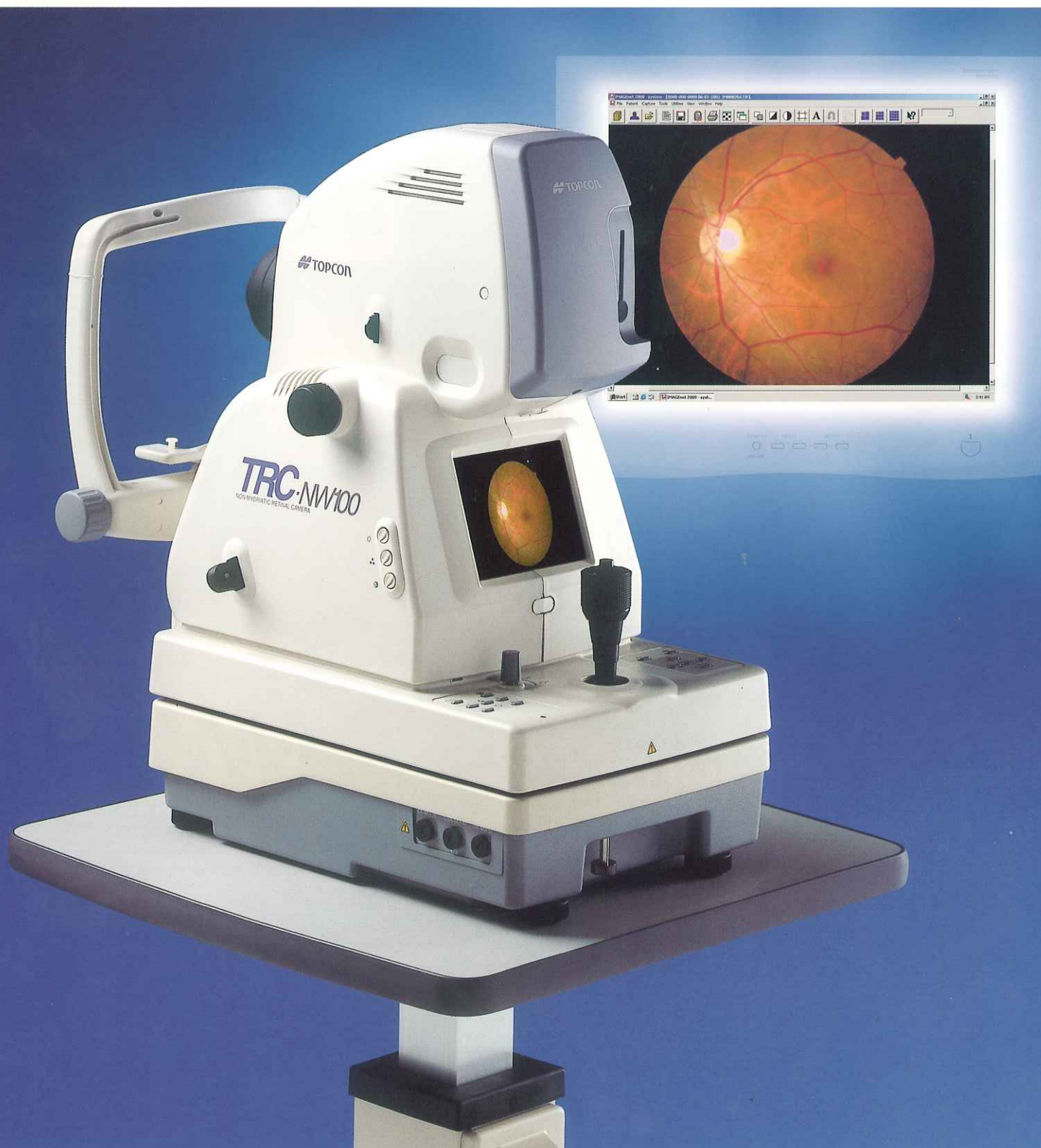


RETINAL IMAGE SCREENER

TRC-NW100

NEW

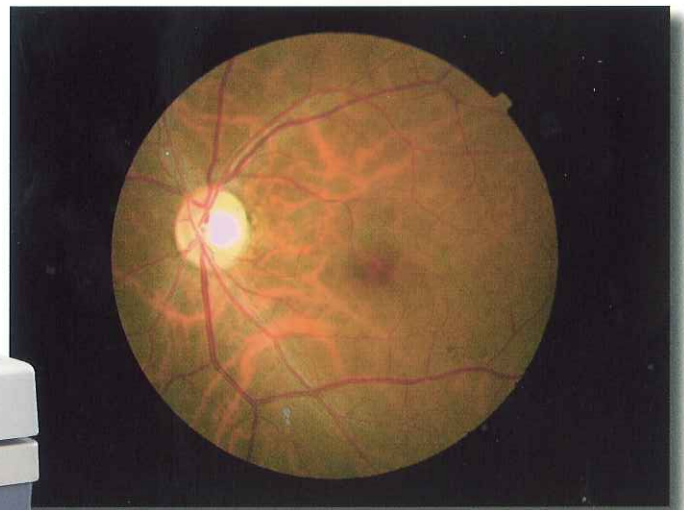


Digital Ease and Performance

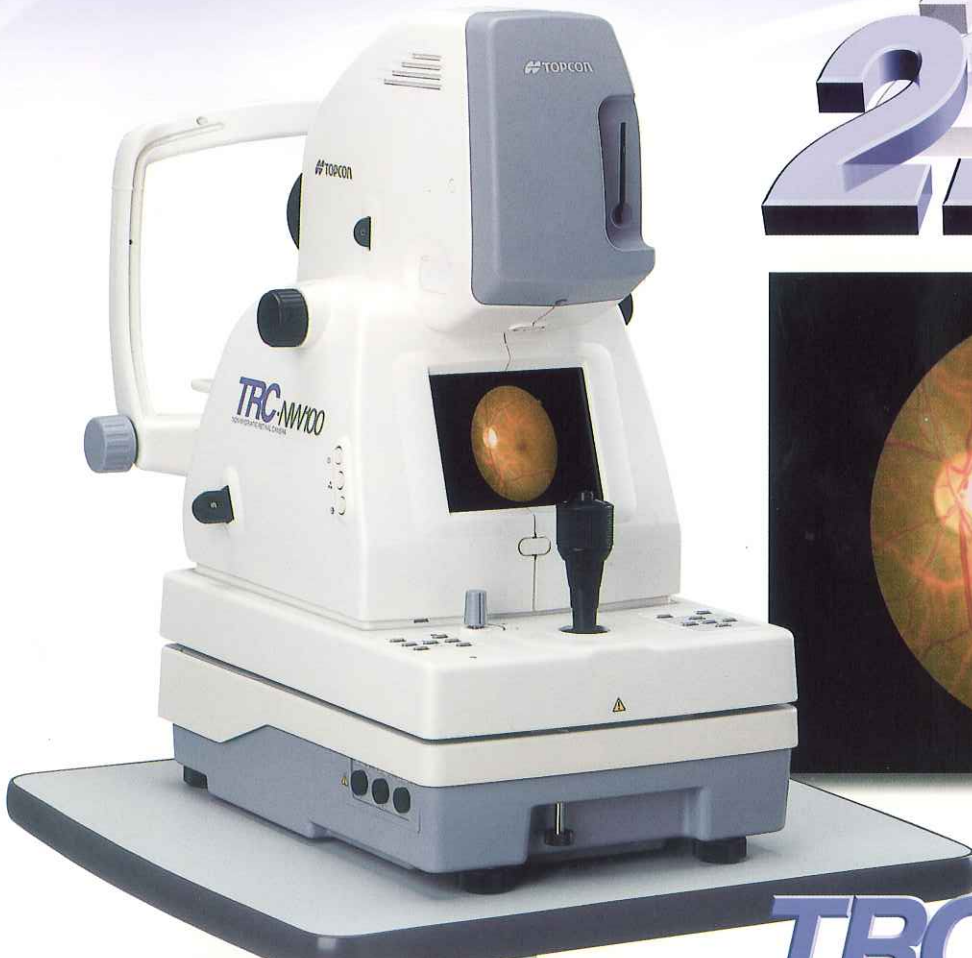
In this age of rapid advances in digital and electronic technology, Topcon has combined our years of experience in retinal imaging with the latest in quality digital technology to develop the ultimate retinal image screener, the TRC-NW100.

A crisp 2.3 million pixel image provides excellent details of the retinal surface for all types of diagnostic requirements - from disc evaluation for glaucoma to diabetic retinopathy evaluation. Topcon has produced the simplest way to provide filmless, instant review, digital filing and digital referral of color retinal images.

2.3 million Pixels



NEW
TRC-NW100



Compact Flash Card

USB Connection

Superb Image Quality

The TRC-NW100 offers high quality 2.3 million pixel images which may be stored in various image formats internally.

Format	Image Quality*	Compression	Image Storage* (CF Card)		
			16MB	32MB	64MB
JPEG format	1,800 x 1,200 (2.3 million pixels)	Approx. 1/4	10	20	40
		Approx. 1/8	20	40	80
		Approx. 1/16	40	80	160
DIB (Bitmap)	1,800 x 1,200	N/A	2	4	8
DIB (Bitmap)	900 x 600	N/A	4	8	16

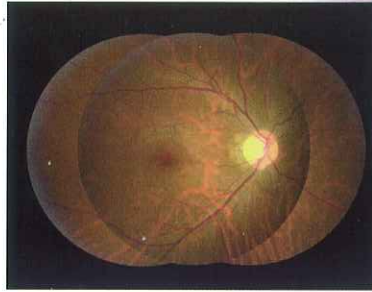
*Approximate numbers

Memory Media : CF Card (16MB standard option), Maximum 64MB (optional)
PC Interface : USB connection available

Diabetic Screening

One of the leading causes of blindness throughout the world is diabetic retinopathy. In order to provide the best level of eye care, it is important to detect the disease as early as possible. Easy access to screening during routine examinations is a great contributor to reducing the incidence of blindness from diabetic retinopathy.

With the use of the TRC-NW100, patients may be easily examined for diabetic retinopathy.

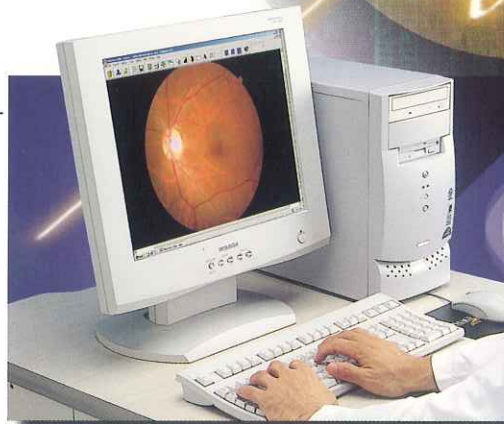


Diagnostic Reading Center



Telemedicine Ready

When supplied with a Topcon IMAGeNet™ 2000 Lite System, the TRC-NW100 becomes the instrument of choice in the growing arena of telemedicine health care. Utilizing our integrated image software, you may send images to alternate locations for review, consultation, and / or diagnosis. Telehealth is a rapidly advancing field where many technical specialties are combined to provide a unique solution to health care issues. Topcon is helping to lead this approach in the field of eye care.

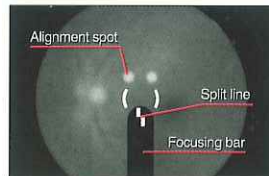


Telemedicine System in Remote Location

Operational Convenience

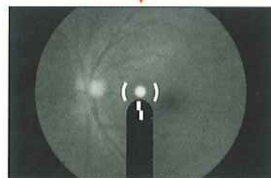
Easy Alignment

Alignment is easily accomplished by overlapping two bright spots on the monitor, assuring fast and precise image acquisition.



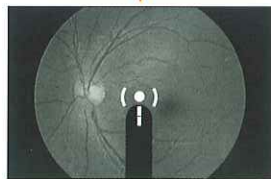
Easy Focusing

Focusing is simple - just align the two split lines on the focusing bar. For full monitor viewing, the focusing bar may be turned on and off.



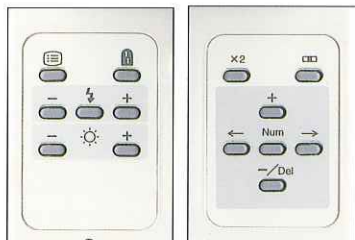
Small Pupil Capability

With the TRC-NW100, it is possible to photograph an image through a pupil as small as 4.0mm.



Control Panel

The easy-to use touch-switch operation on the control panel provides a convenient method for changing setting.



Screening System Configurations

TRC-NW100 with Basic Transfer Software



Images taken with the TRC-NW100 may be transferred to a standard PC running Windows™ software and viewed with such software as Microsoft Photo Editor™, Adobe Photoshop™, and other imaging applications.

TRC-NW100 with Topcon's IMAGeNet™ 2000 Lite

With the Topcon IMAGeNet™ 2000 Lite System, The TRC-NW100 provides a total solution for advanced retinal image acquisition, filing, and evaluation.

IMAGeNet™ 2000 Lite



● Specifications

Angle of Coverage:	45°
Pupil Diameter:	4.0mm or more
Patient Diopter Correction Range:	Without correction lens: -13D to +12D With minus correction lens: -12D to -33D With plus correction lens: +9D to +40D
Fixation Target:	Central 1 point Nasal 1 point Temporal 1 point
Flash Intensity:	9 steps
Image File Date:	8 digit number input
Data Storage System:	CF card -16MB standard (up to 64 MB optional)
Data Storage (with 16MB Card):	JPEG 1/4 compression -10 images JPEG 1/8 compression -20 images JEPG 1/16 compression -40 images
Power Source:	Frequency 50/60Hz Voltage: AC 110/120/230/240V
Weight:	Body 24kg
Dimensions:	272(W)mmx505(D)mmx560(H)mm
Power Consumption:	400VA(Maximum), 100VA(Normal)

*Windows® and Photo Editor® are registered trademark of Microsoft corporation.
*Adobe Photoshop is a registered trademark of Adobe Systems Incorporated.
*Subject to change in design and/or specifications advanced notice.

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



Certificate No.Q18661
TOPCON CORPORATION



Certificate No.EC97J1081
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