

Retinal Camera TRC-NW8

NEW

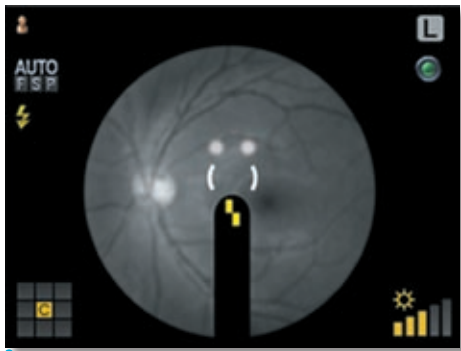


CONNECTING VISIONS

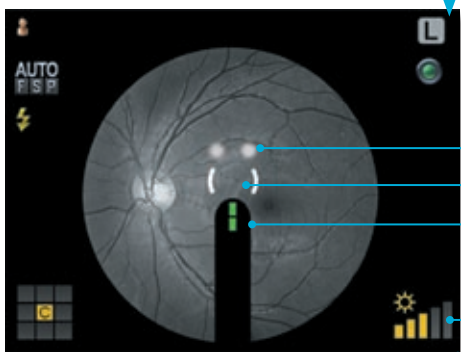
Perfection for the Professionals TRC-NW8

Topcon prides itself on being the leading ophthalmic camera manufacturer in the world and has been producing cameras since 1965. With this wealth of experience it comes as no surprise that when looking to produce a successor to the very popular TRC-NW6S, probably the most sold non mydriatic camera in the world, Topcon used it's vast experience in Optical/Mechanical & Software engineering to come up with a camera that would be far ahead of the competition in terms of useful functionality and would allow for consistently good quality of imaging while at the same time allowing for quicker capture. TRC-NW8 we feel will become the professional's first choice of non -mydriatic Fundus cameras. Topcon....producers of professional equipment for the Professional.

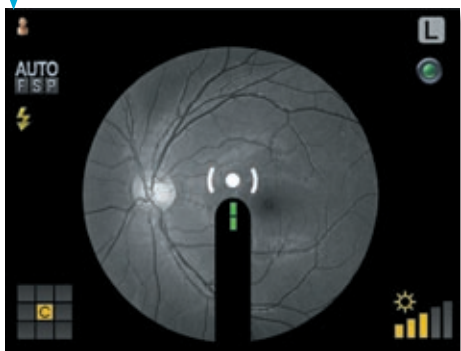
Easy alignment, Auto Focus and Auto shoot



→ **AUTO FOCUS** ...



... **AUTO SHOOT** ←



So simple to use!

With clinics getting busier these days it was seen as crucial that the new TRC-NW8 should be the easiest camera to use in order to obtain the best possible results time after time. To facilitate this new TRC-NW8 incorporates some ground breaking technology to aid the photographer.

Easy alignment, Auto Focus and Auto shoot

Alignment could not be simpler with the new TRC NW8. Crucially the operator is still in control; however with the very latest in alignment aids the process of getting a sharp focussed image time after time could not be easier.



Auto Focus

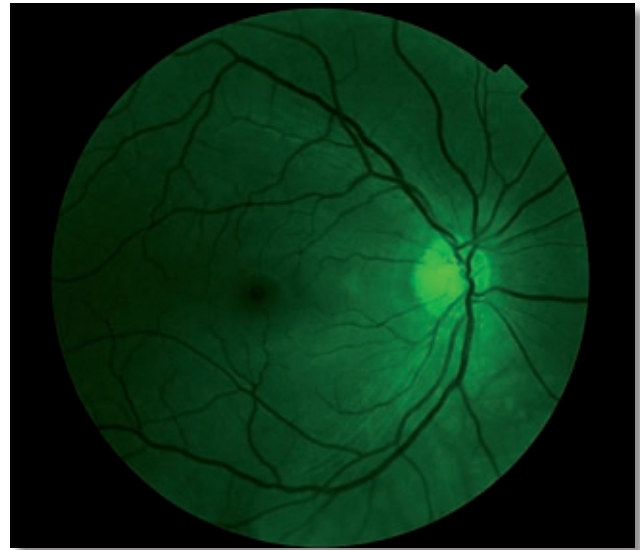
This is a new feature of the TRC-NW8 which allows the operator to choose to have Auto Focus facility. This can be of great help when trying to photograph difficult subjects or patients with high degree of accommodation. Auto Focus allows for a sharp image every time.

Auto Shoot

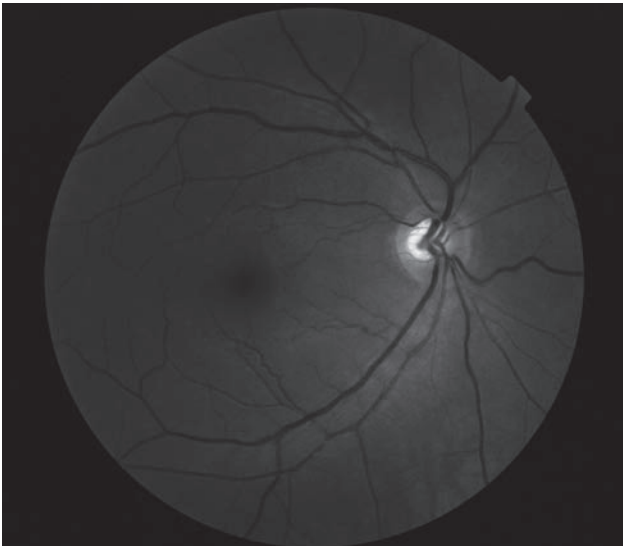
The TRC-NW8 has the option for Auto Shoot which is of great benefit to the operator as it monitors when all parameters are correct and takes the picture. This rapidly speeds up capture process and is of great benefit when photographing patients who have problems fixating.

True Optical Red Free Photography

True Optical Red Free Photography is available with a built-in Green Filter. Simply insert or remove as shown in the picture. The optical red free image provides vital information for glaucoma and is far superior to simply viewing the green pixels of a digital image.



True Red Free image
as taken on the TRC-NW8 >>



True Red Free image (B&W) as taken on the TRC-NW8



Green pixels from the colour image

Auto Small Pupil Detection

A common problem are patients with small pupils and when mydriatic drops cannot be used the 'Small Pupil' (min. 3.3Ømm) option within the TRC-NW8 allows you to still be able to get a shot.

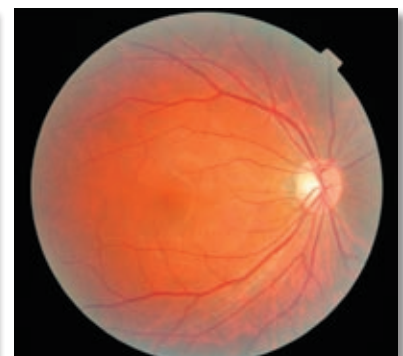
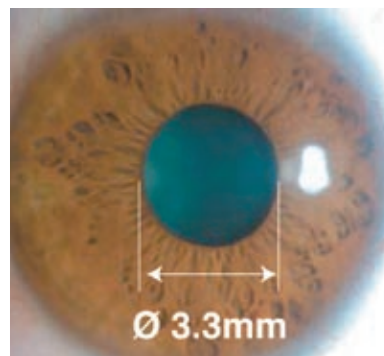


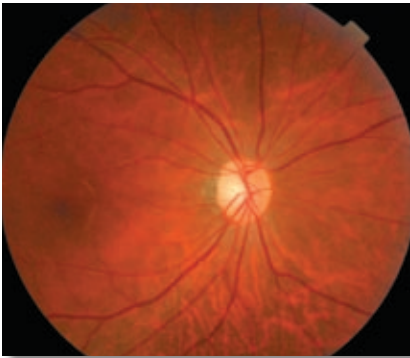
Image with the small pupil mode

High Quality Image

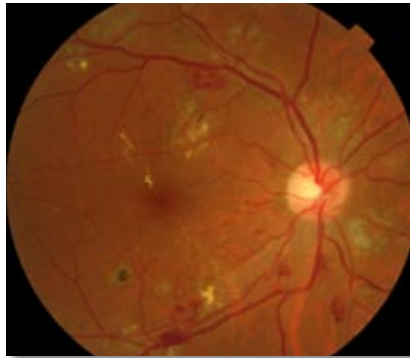
Quality of image is crucial as well as durability

With these important requirements Topcon did not hesitate in deciding on which manufacturer it would use for its digital camera supplier. Nikon probably has the largest reputation when it comes to digital SLR cameras and is used by most of the worlds press for very good reason.

Therefore you have no need to worry that your new TRC-NW8 will ever be compromised by the digital SLR in terms of quality of image or durability.



Healthy Eye



Diabetic Retinopathy



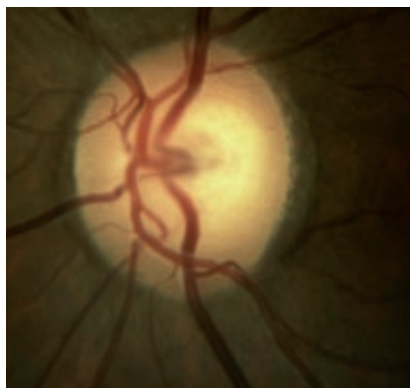
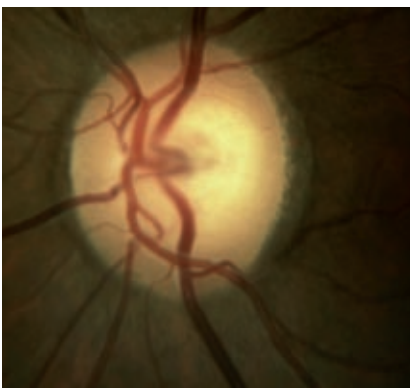
Glaucoma

Fixation Target

In line with the requirement for Diabetic screening, when the fixation target mode is set at DCF ("D" is for centre of optic disc, "C" is for central macula and "F" is for centre of Fovea), the internal fixation target will move one by one in proper position that can be helpful in diagnosis such as glaucoma and diabetes. The setting will change in the following order.

Lower Flash intensity

Topcon has always endeavoured to keep flash levels as low as possible while at the same time ensuring that good exposed images are achieved. The TRC-NW8 is no exception here, but with greater control of the CCD camera, optimum exposure can be achieved each and every time.



Stereo photography

Today there is an increasing need for viewing stereo images and with the TRC-NW8 camera this has been made very simple with the inclusion of a stereo switch. Once pressed the camera controls fixation to allow for two consecutive images to be captured with just the right amount of shift. These stereo pairs can then be viewed easily on Topcon's IMAGEnet software and allow for easier diagnosis.

IMAGeNet i-base™ Digital Imaging System

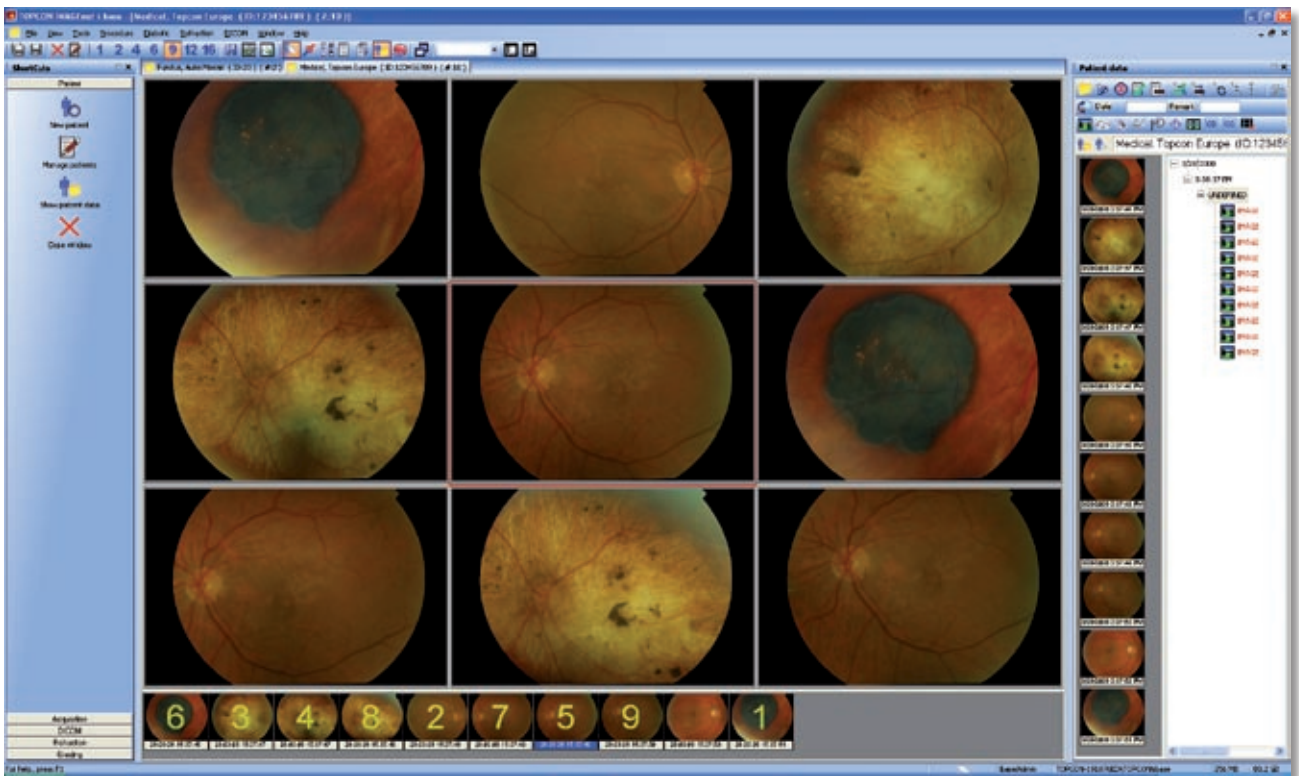
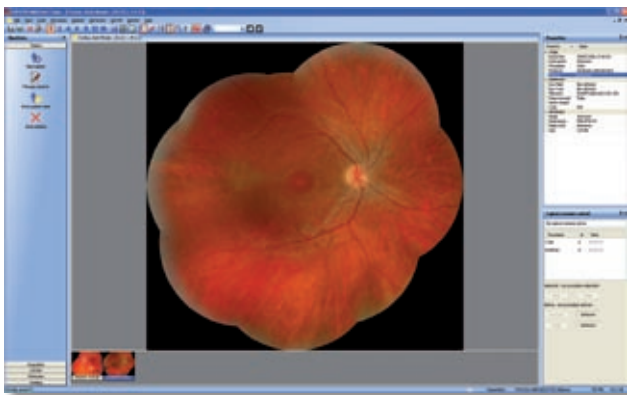


Using comprehensive software for capturing, processing, archiving and consulting, IMAGeNet i-base expands the abilities of the TRC-NW8 into a digital imaging analysis system for clinical applications. IMAGeNet i-base automatically detects the internal fixation positions to easily make panoramic overviews of the fundus.

A variety of options conveniently priced, fit the needs of the single practitioner or the multi-discipline health institution with powerful diagnostic tools. The smart electronics of the TRC-NW8 and the convenience of USB connections provide a seamless interface with any of the IMAGeNet i-base programs.



Screenshots of the IMAGeNet i-base™ software



Specifications

Angle of coverage	45°
Working range	40,7 mm
Pupil diameter for photography	4,0mm or more / 3,3mm or more when the small pupil diaphragm is used
Type of photography	Color photography and red-free photography
Patient diopter correction range	Without correction lens: -13D to +12D (where split lines are used) With minus correction lens: -12D to -33D With plus correction lens: +9D to +40D
Auxiliary function for photography	Auto focus function (Used only in the split line working range. This can be turned ON/OFF)
Internal Fixation Target	Center/Periphery Right/left eye automatic detection Optional position presetting function
Base movement	Back-forth: 46mm, Right-left: 100mm, Up-down: 30mm
Chinrest movement	67mm
Power source	Frequency: 50/60Hz Voltage: AC 110, 120, 230, 240V selectable
Weight	24,5kg
Dimensions	272mm(W) x 505mm(D) x 530mm(H)
Power consumptions	400VA(Maximum), 100VA(Normaal)



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.

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