Specifications

Angle of coverage	45°
Working distance	40.7mm
Pupil diameter for photography	4.0mm or more 3.3mm or more when the small pupil diaphragm is used
Type of photography	Colour photography, red-free photography and FA 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.)
Fixation Target	Internal / External fixation target can be selected. 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 : AC110,120,230,240V selectable
Weight	23.5kg
Dimensions	274(W) X 508(D) X 536-566(H)mm
Power consumptions	400VA(Maximum),100VA(Normal)

Optional Accessory

External Fixation Target.

Topcon Healthcare, Inc.
111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone: +1-201-599-5100
www.topconhealthcare.com

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.
Not all products, services, or offers are available in all markets. Contact your local distributor for country-specific information and availability.

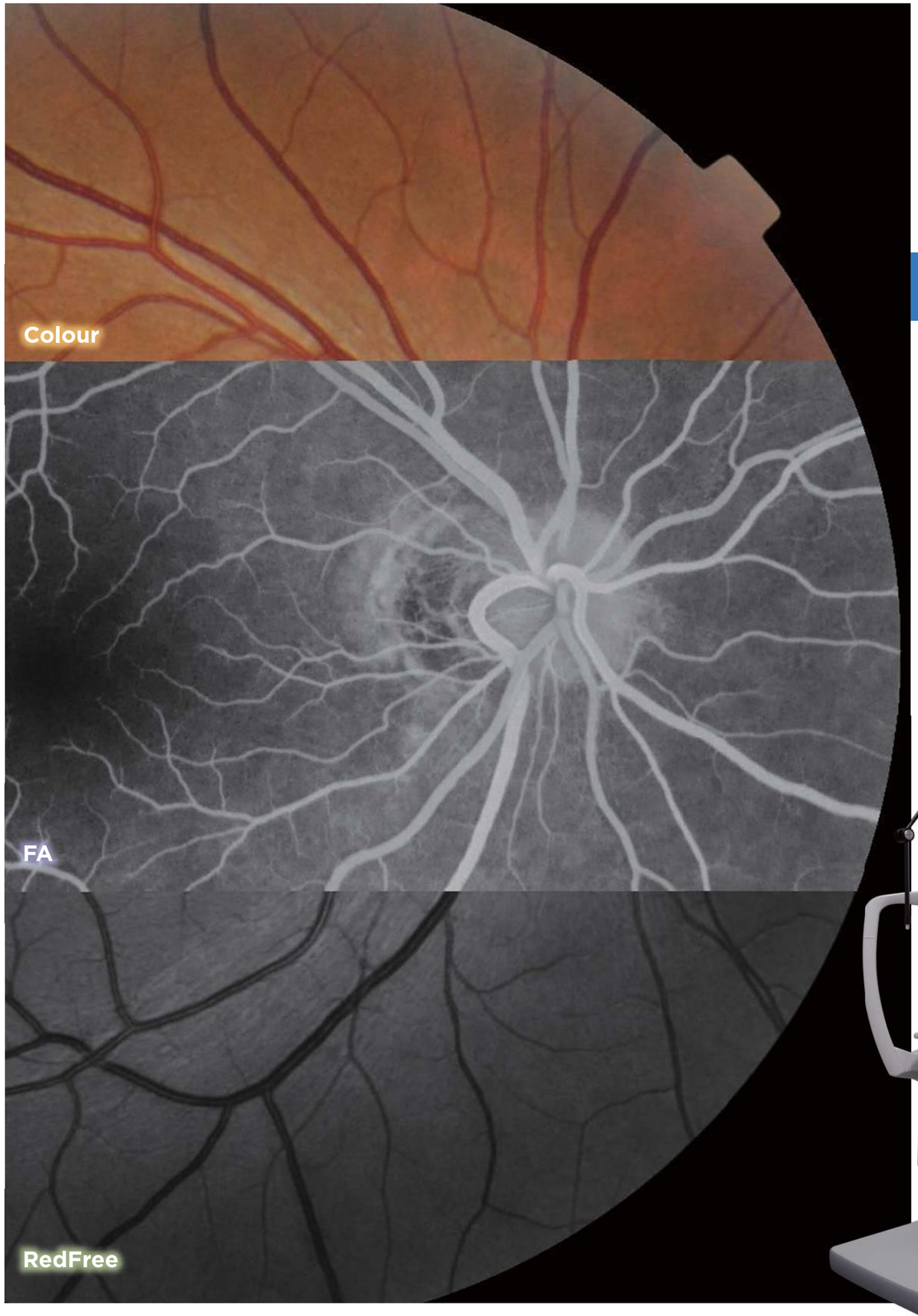
TOPCON CORPORATION TOPCON CORPORATION EC97J1081

TOPCON CORPORATION
75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, JAPAN.
Phone: +81-(0)3-3558-2522/2502
Fax: +81-(0)3-3965-6898
www.topconhealthcare.jp

TOPCON Healthcare

Non-Mydriatic Retinal Camera
TRC-NW8F

TOPCON Healthcare



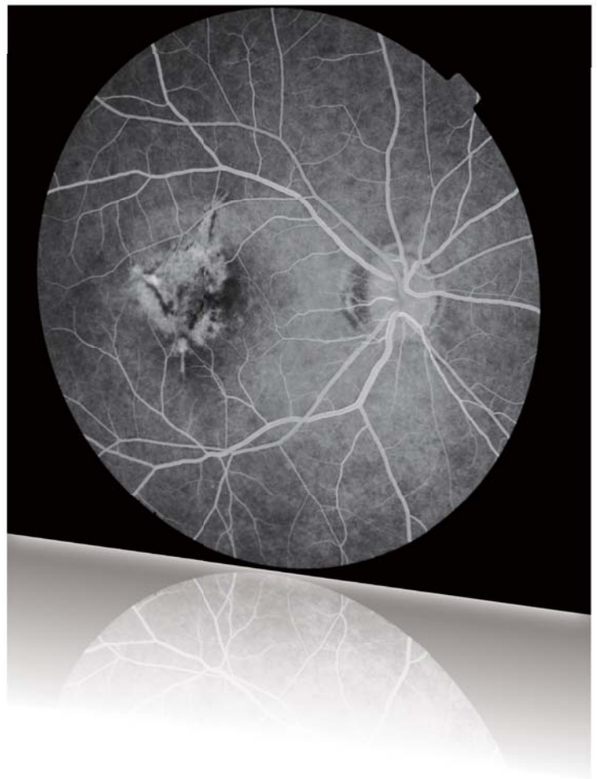
NEW COMBO RETINAL CAMERA TRC-NW8F

Mydriatic / Non-Mydriatic Retinal Camera with Fluorescein Angiography

TRC-NW8F offers a truly versatile camera capable of Non Mydriatic colour ; Red Free and now Fluorescein Angiography.
In addition to the above it also now provides auto focus; auto shoot and auto small pupil detection to make the process of image capture extremely simple and user friendly.

Features

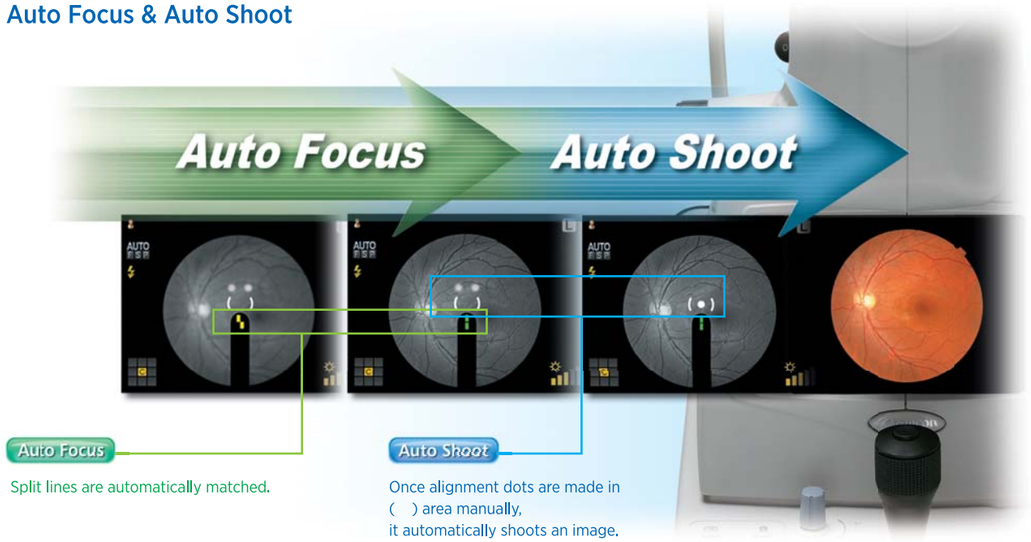
- 3 –in-1 Multi Functional Retinal Camera
- Lower Flash Intensity
- Easy to use
- Continuous Shooting Function
- Auto Focus & Auto Shoot
- Auto Small Pupil Detection
- Auto Enhance



EASY TO USE

TRC-NW8F is Topcon's NEW multi-functional retinal camera which is focused on "simple operation". With our wealth of experience in the production of retinal cameras, we have been able to bring all of the benefits of our non mydriatic camera to this brand new multi functional camera. The ability to do RF & FA photography with the added advantages of auto focus and auto shoot, makes the operation of this new camera extremely simple and user friendly.

Auto Focus & Auto Shoot



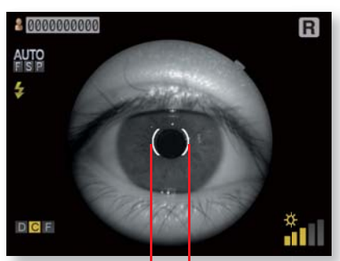
Split lines are automatically matched.

Once alignment dots are made in ( ) area manually, it automatically shoots an image.

※ For non-mydriatic photography only.

Auto Small Pupil Detection

Small pupils are a common phenomenon, and when mydriatic drops can not be used, the "Small Pupil" (min. ϕ 3.3mm) option within the TRC-NW8F, allows you to be able to get a shot.

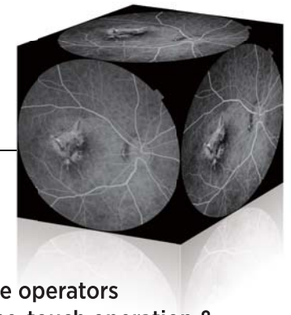


ϕ 3.3mm

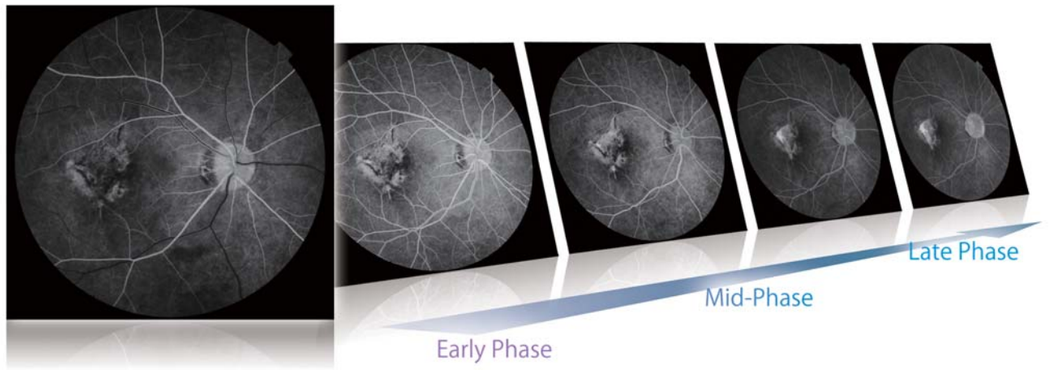
Auto Small Pupil Detection Mode:
Angle of coverage 45°

Auto Small Pupil Detection Mode:
Angle of coverage 30°(Digital Zoom)

FA FUNCTION



Fluorescein angiography with the NEW TRC-NW8F allows for much easier photographic sessions. With the lower flash levels used, patients will find the experience much more comfortable and as a consequence the operators are able to concentrate on getting the images they need. Furthermore, one-touch operation & powerful "Auto Enhance" functions also help to make this camera one of the best on the market.

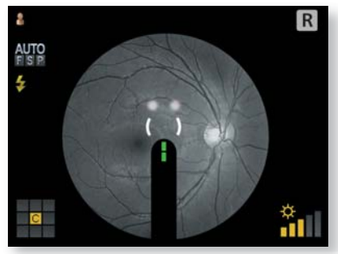


Lower Flash Intensity

Topcon has always endeavored to keep flash levels as low as possible while at the same time ensuring that good exposed images are achieved.
For FA photography, it can be performed by half the flash intensity compared to our conventional units.

One-touch Operation

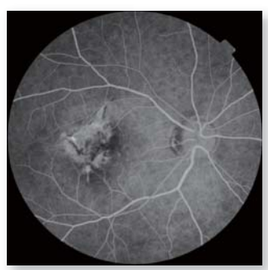
FA and Non mydriatic photography is easily switchable only by pushing the mode switch on the control panel.



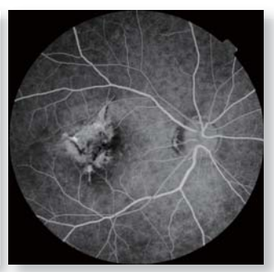
Always High Contrast Images Available

High Contrast Images are always and easily available with the built-in sophisticated software function, such as "Auto Enhance", which automatically enhances black & white contrast all of which helps the daily diagnosis of retinal images.

*Incorporated into Topcon optional EZ Capture For TRC-NW8F / IMAGEnet™ Software



Original Image



Enhanced Image

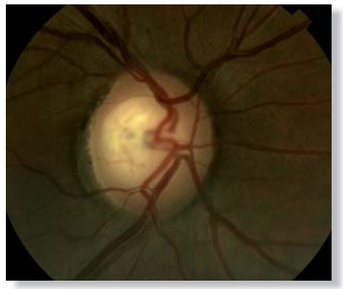
HIGH QUALITY IMAGE

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-NW8F will ever be compromised by the digital SLR in terms of quality of images or durability.

Healthy Eye

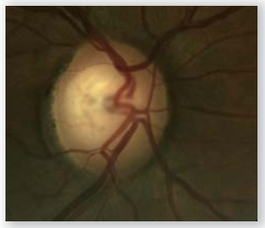
Diabetic Retinopathy

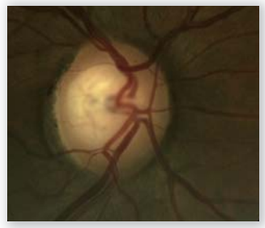


Glaucoma

Stereo Photography

Today there is an increasing need for viewing stereo images and with the TRC-NW8F 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.





True Optical Red Free Photography

Topcon has developed an innovative feature on its TRC-NW8F: True optical red free capability with an actual red free filter. This feature allows for high resolution red-free image acquisition that is clearer than digitally enhanced images from colour-only imaging systems. As shown in the picture the red free and colour image capabilities are selectable by pulling out the RF filter.

Pull in /out the RF filter selector

Pull out: True Red Free image(B&W) as taken on the TRC-NW8F

Pull in: Colour image

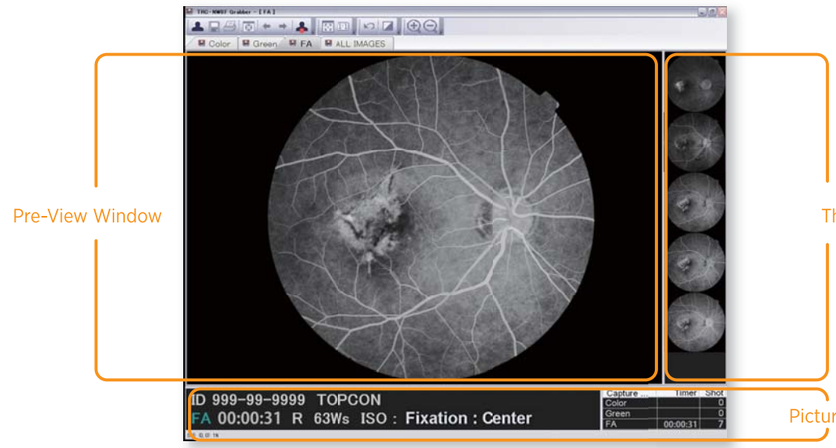
IMAGING SYSTEM

IMAGEnet™ R4

IMAGEnet™ R4's cutting edge and comprehensive patient database management system features efficient data viewing, storage, analysis and flexible networking solutions. With its unique utilities, such as Auto Mosaic, stereo functionality, patient consultation, IMAGEnet™ R4 software streamlines exam analysis and enhances communication with patient.

EZ Capture for TRC-NW8F

Simple & easy software EZ Capture For TRC-NW8F allows you to transfer and save retinal images with intuitive handling. Timer, R / L eye detection, angle and patient data will also be transferred with images.



Auto Mosaic Optional Software

A panoramic view of the retina is seamlessly stitched together using Auto Mosaic software. Using a special algorithm to detect vessel edges, fields taken at random are automatically arranged in their correct positions without user intervention.