

## Imaging System

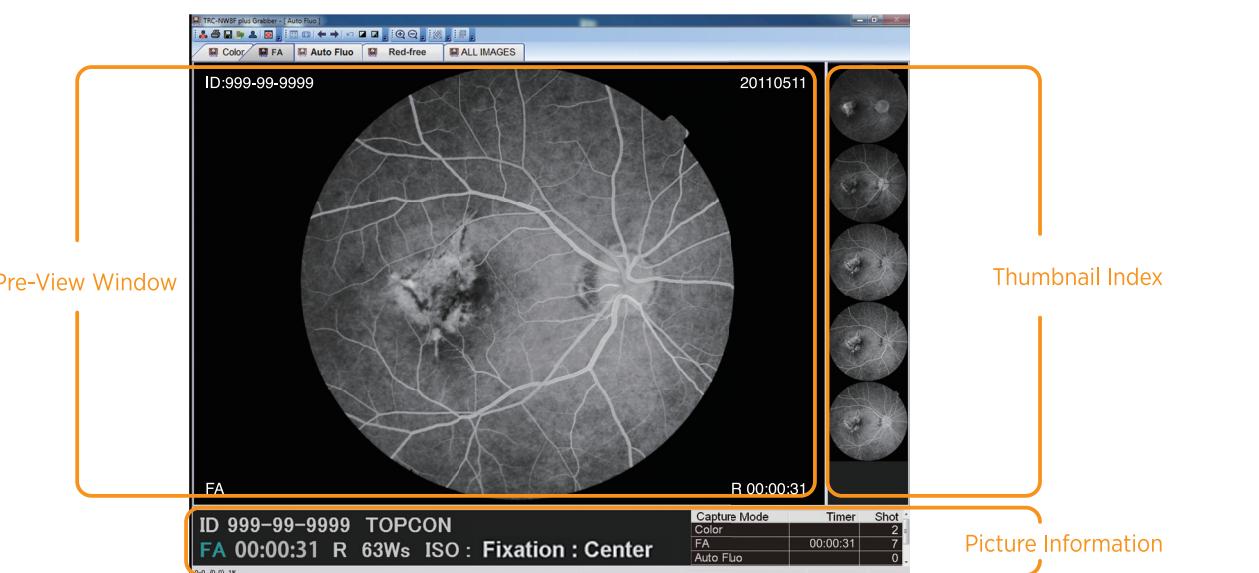
### IMAGEnet™ R4

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.



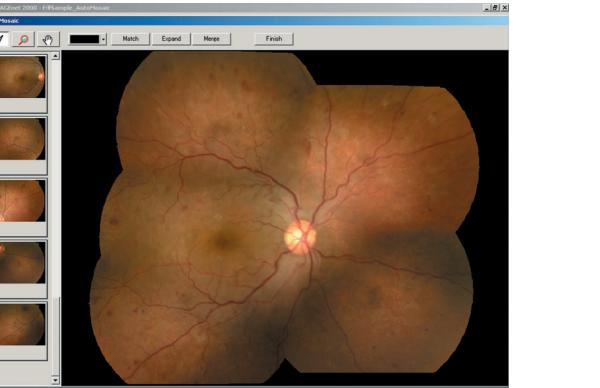
### EZ Capture

Simple & easy software EZ Capture 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.



\* Not available for sale in the United States.  
\* Not available in all countries, please check with your distributor for availability in your country.  
\* Subject to change in design and/or specifications without advanced notice.  
**IMPORTANT** In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

### TOPCON CORPORATION

75-1 Hasumura-cho, Itabashi-ku, Tokyo 174-8580, Japan, Phone: +81-(0)3-3558-2522/2502 Fax: +81-(0)3-3965-6898 www.topcon.co.jp

#### TOPCON MEDICAL SYSTEMS, INC.

111 Bauer Drive, Oakland, NJ 07466, U.S.A.  
Phone: +1-201-599-5100 Fax: +1-201-599-5250 www.topconmedical.com

#### TOPCON HEALTHCARE SOLUTIONS, INC.

111 Bauer Drive, Oakland, NJ 07466, U.S.A.  
Phone: +1-201-599-5100 Fax: +1-201-599-5250 www.topconhealth.com

#### TOPCON CANADA INC.

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

#### TOPCON EUROPE LTD. BV.

Europastraat 20, 1000 Aalst, Belgium 9000 AC Capelle a/d IJssel, THE NETHERLANDS  
Phone: +31-(0)10-4585077 Fax: +31-(0)10-4585045  
Email: europe@topcon.com

#### ITALY OFFICE

Viale dell'Industria 60, 20057 Pedemonte Dugnano (Milano), ITALY  
Phone: +39-02-91089091 Fax: +39-02-91089091 E-mail: info@topcon.it

#### DANMARK OFFICE

Praestemarksvej 25, 4000 Roskilde, DANMARK  
Phone: +45-46-327500 Fax: +45-46-327555  
Email: topcon@topcon-danmark.dk www.topcondanmark.dk

#### IRELAND OFFICE

Unit 276, Blanchardstown, Corporate Park 2 Ballycoolin Dublin 15, IRELAND  
Phone: +353-8979000 Fax: +353-8293915 E-mail: medical@topcon.ie www.topcon.ie

#### TOPCON FRANCE MEDICAL S.A.S.

BAT A1, 3 route de la rivière, 93206 Saint Denis Cedex, France  
Phone: +33-1-49212323 Fax: +33-1-49210494 E-mail: topcon@topcon.fr www.topcon.fr

#### TOPCON DEUTSCHLAND MEDICAL G.m.b.H.

161 Bismarckstrasse, 80533 Munich, GERMANY  
Phone: +49-89-599-5250 Fax: +49-89-599-5250 www.topcon-medical.de

#### TOPCON SCANDINAVIA A.B.

Neongatan 2, P.O.Box 25, 4315 Molndal, SWEDEN  
Phone: +46-(0)31-702925 Fax: +46-(0)31-702949 E-mail: medical@topcon.se www.topcon.se

#### TOPCON ESPANA S.A.

Prado de la Reina, 4 Edic. A, Bloq 2, 08960 Sant Just Desvern, BARCELONA, SPAIN  
Phone: +34-93-4735405 Fax: +34-93-4735932 E-mail: medical@topcon.es www.topcon.es

#### TOPCON INSTRUMENTS ( MALAYSIA ) SDN.BHD.

No. D1, Ground Floor, Jalan Escola 2, Off Jalan Ampang Putra,  
Taman Ampang Hilir, 59000 Kuala Lumpur MALAYSIA  
Phone: +60-3-90598989 Fax: +60-3-90598986

#### TOPCON INSTRUMENTS ( THAILAND ) CO.,LTD.

77/62 Suanamorn Road, 37100 Klongtoey, Bangkok, THAILAND  
Phone: +66-2-4051527 Fax: +66-2-446-1558

#### TOPCON ( CHINA ) MEDICAL TECHNOLOGY CO., LTD.

Rm3008, Tower C, Jinchi Building No.82 Middle Section of East 4th Ring Road,  
ChaoYang District, Beijing 100104, 99-21 China  
Phone: +86-10-87945176

© 2011 TOPCON CORPORATION All Rights Reserved  
2011 06 TEM

# TRC-NW8 series

## Non-Mydriatic Retinal Camera



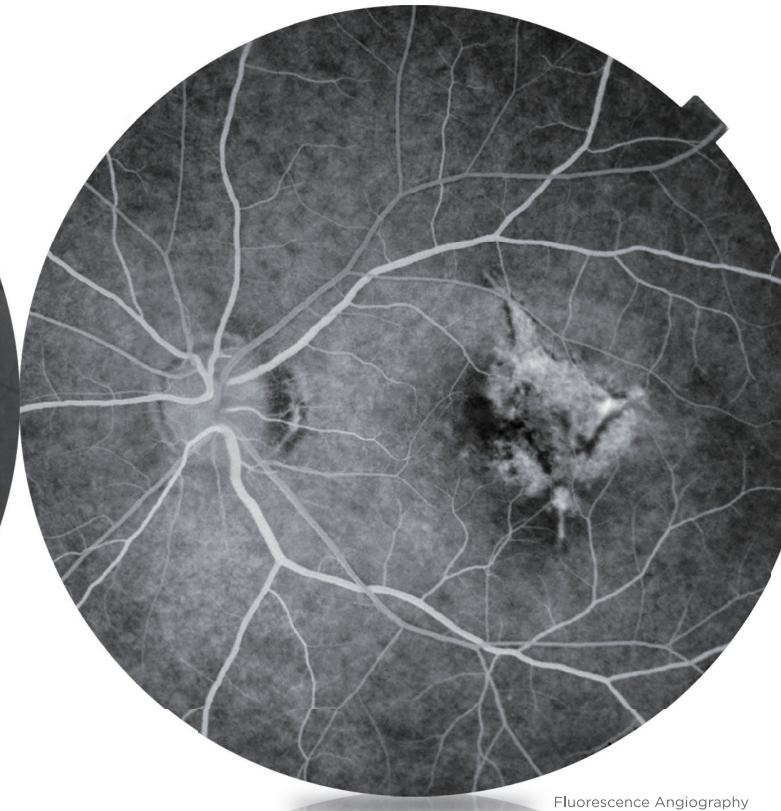
YOUR VISION. OUR FOCUS.



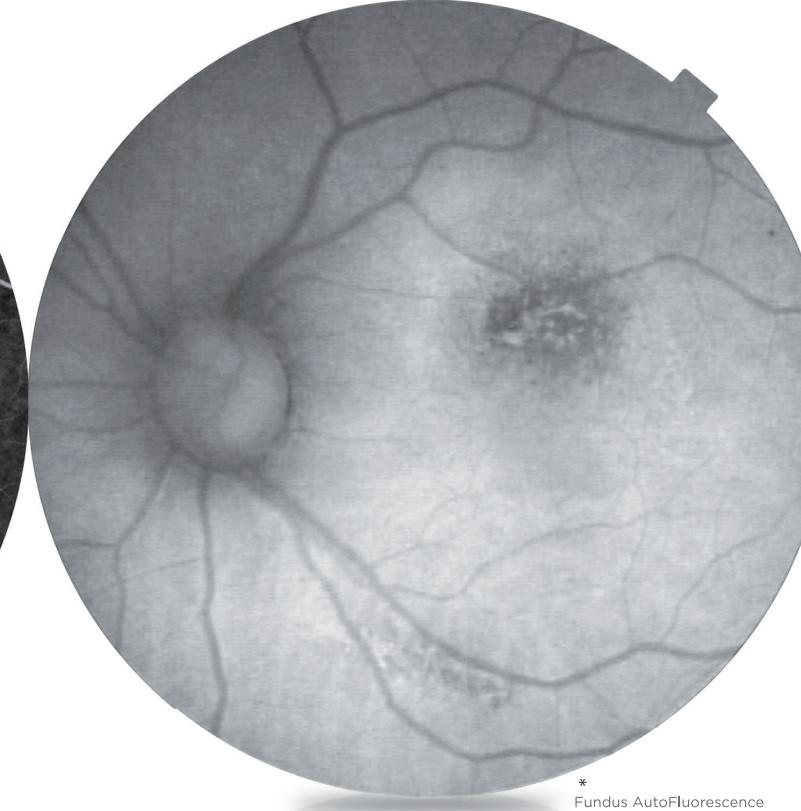
Colour



Red-free



Fluorescence Angiography



\* Fundus AutoFluorescence

## New Combo Retinal Camera TRC-NW8 series



### Features

- » Multi Functional Retinal Camera
- » Lower Flash Intensity
- » Easy to Use
- » Continuous Shooting Function
- » Auto Focus & Auto Shoot
- » Auto Small Pupil Detection
- » Compact Design

### Impressive Line-up of Retinal Imaging for All Vision Care Professionals

With TRC-NW8 series, it is possible to capture not only Non Mydriatic Colour / Red-free / Fluorescein Angiography, but also Fundus AutoFluorescein to answer all your many needs.

TRC-NW8

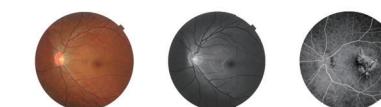
### TRC-NW8



TRC-NW8 allows easy operation by Auto Shoot / Auto Focus function.

TRC-NW8F

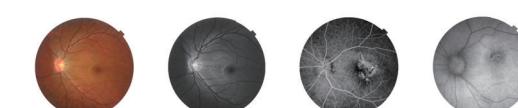
### TRC-NW8F



TRC-NW8F allows patient-friendly Fluorescence Angiography photography by lower flash intensity.

TRC-NW8F plus

### TRC-NW8F plus



TRC-NW8F plus allows to capture multi photography such as Colour, Red-free, \*\*, Fluorescence Angiography, and AutoFluorescence photography.

# Easy to Use

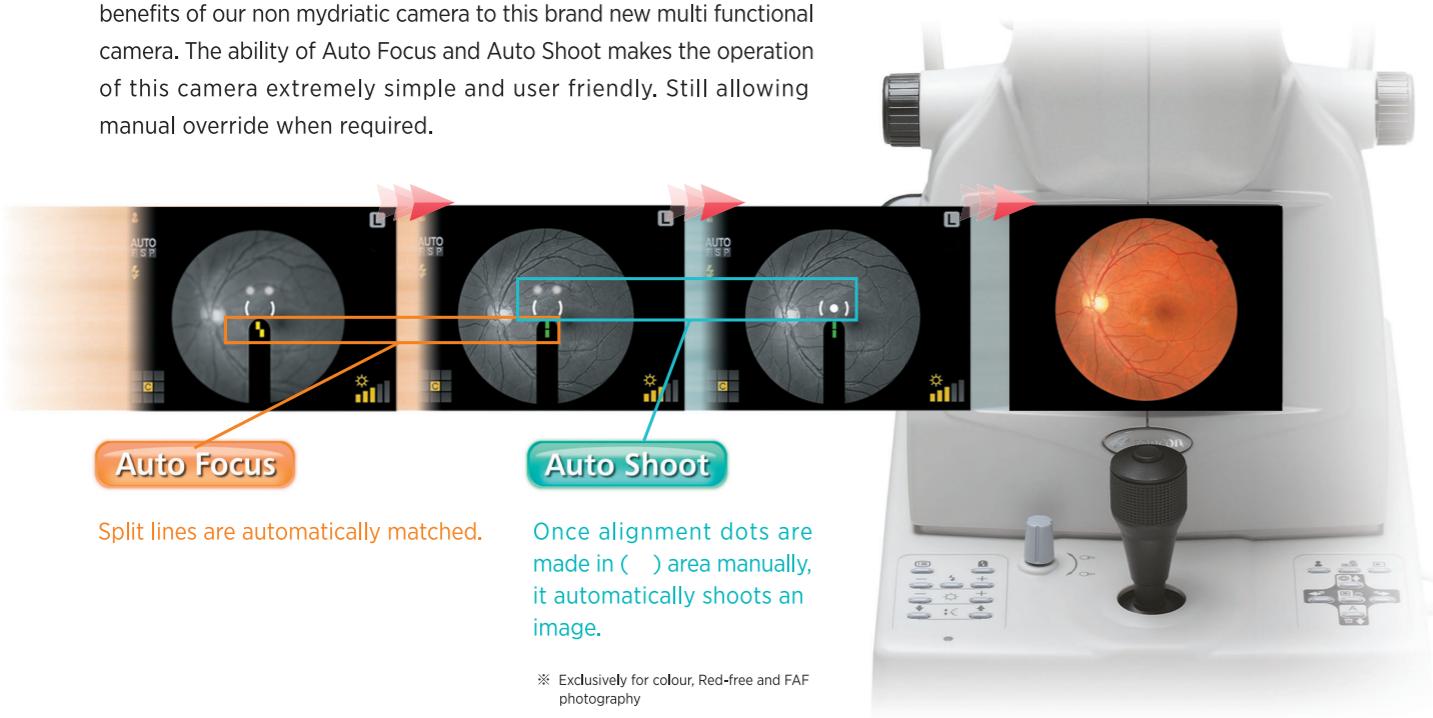


**TRC-NW8 Series**  
Non-Mydriatic Retinal Camera

## Auto Focus & Auto Shoot

TRC-NW8 TRC-NW8F TRC-NW8F plus

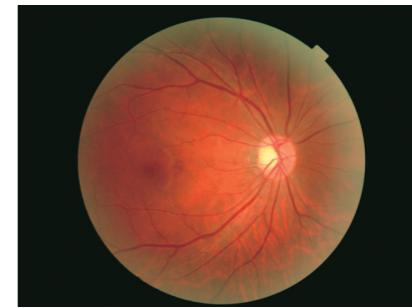
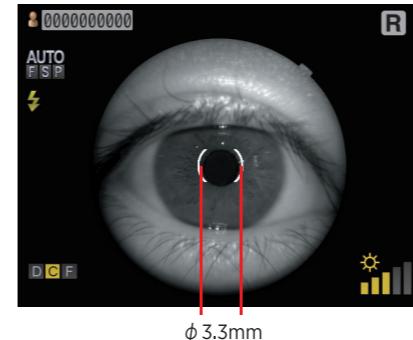
TRC-NW8 series is Topcon's multi-functional retinal camera which is focused on "simple operation". With our wealth of experience in the production of retinal cameras, we have been able to bring all of the benefits of our non mydriatic camera to this brand new multi functional camera. The ability of Auto Focus and Auto Shoot makes the operation of this camera extremely simple and user friendly. Still allowing manual override when required.



## Auto Small Pupil Detection

TRC-NW8 TRC-NW8F TRC-NW8F plus

Small pupils are a common phenomenon, and when mydriatic drops can not be used, the "Small Pupil" (min. Ø 3.3mm) option within the TRC-NW8 series, allows you to be able to get a shot.



Auto Small Pupil Detection Mode:  
Angle of coverage 45°



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

## Low Flash Intensity

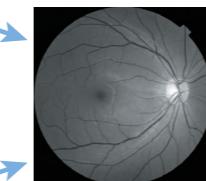
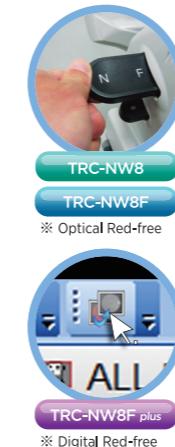
TRC-NW8 TRC-NW8F TRC-NW8F plus

Topcon has always endeavoured 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 models.

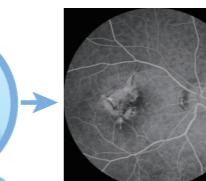


## One-touch Operation

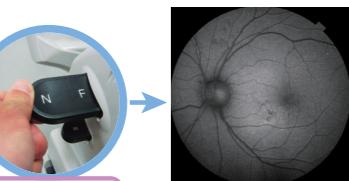
Red-free photography is easily switchable only the filter lever, and FA photography is also easily switchable only by pressing the mode switch. In case of TRC-NW8F plus model, simply pulling out the filter lever activates FAF photography mode.



» Red-free Image



» Fluorescence  
Angiography Image



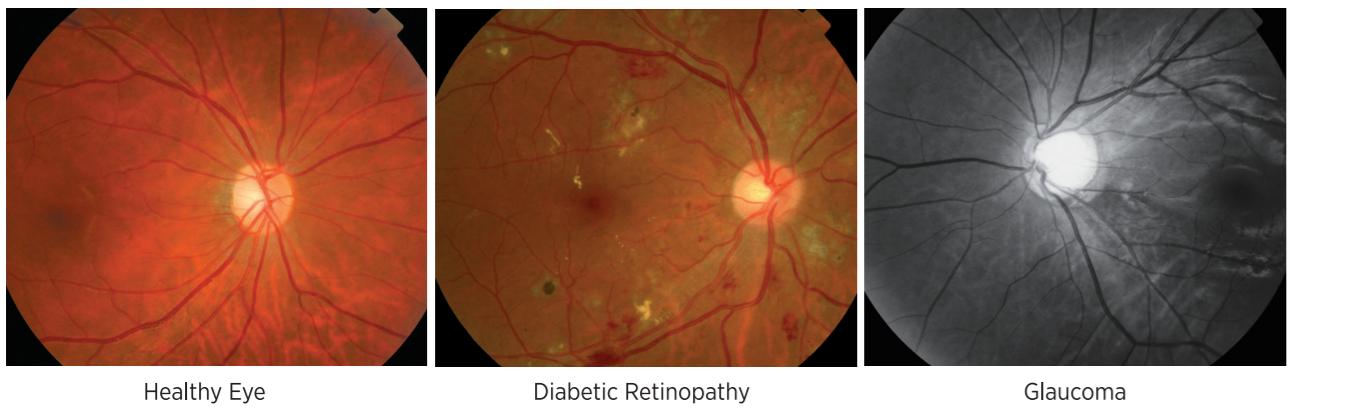
» Fundus  
AutoFluorescence

# High Quality Image

## Quality of Image is Crucial as Well as Durability

TRC-NW8 TRC-NW8F TRC-NW8F plus

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



## Stereo Photography

TRC-NW8 TRC-NW8F TRC-NW8F plus

Today there is an increasing need for viewing stereo images and with the TRC-NW8 series 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

TRC-NW8 TRC-NW8F

Topcon has developed an innovative feature on TRC-NW8/TRC-NW8F: True optical Red-free capability with an actual Red-free filter. This feature allows for high resolution Red-free images acquisition.

\*TRC-NW8F plus :Digital Red-free



## Fundus AutoFluorescence Photography

TRC-NW8F plus

Use of the TRC-NW8F plus allows the operator to capture the AutoFluorescence of Lipofuscin and to show the sub macula area clearly using the in-built FAF filters. These filters have been specifically designed to avoid absorption of xanthophyll. It is very useful to observe the change of chorioretinal atrophy in age-related macular degeneration.

\* Spaide FAF filter is produced under the supervision and authorization of Dr. Richard F. Spaide, Vitreous, Retina, Macula Consultants of New York, NY, USA.

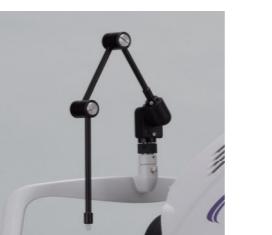


## Specifications

Angle of coverage	45°
Working distance	40.7mm
Pupil diameter for photography	Ø 4.0mm or more Ø 3.3mm or more when the small pupil diaphragm is used
Type of photography	Colour photography, Red-free photography *, FA photography ** and FAF photography ***
Patient dioptre correction range	Without correction lens: -13D to +12D (where split lines are used) With minus correction lens: -33D to -12D 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 Centre / 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 : AC100-240V
Weight	23.5kg ( TRC-NW8/TRC-NW8F ), 23.8kg ( TRC-NW8F plus )
Dimensions	274(W) X 508(D) X 536-566(H)mm
Power consumptions	400VA(Maximum), 100VA(Normal)

\* TRC-NW8F plus model: Digital Red-free  
\*\*Only for TRC-NW8F and TRC-NW8F plus models  
\*\*\* Only for TRC-NW8F plus model

## Optional Accessory



External Fixation Target