**SOLUTION**

**A TOPCON ADVANCED DIAGNOSIS**

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**TRC-NW400**

Non-Mydriatic Retinal Camera

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**Specification**

**Observation & photography of the fundus**

<table>
<thead>
<tr>
<th>Angle of coverage</th>
<th>45°/75° or equivalent (digital zoom)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working distance</td>
<td>34.0mm (in fundus photography)</td>
</tr>
<tr>
<td>Pupil diameter for photography</td>
<td>45°: Ø 4.5mm or more, Small pupil diameter: Ø 3.5mm or more</td>
</tr>
<tr>
<td>Fixation target</td>
<td>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</td>
</tr>
</tbody>
</table>

**Patient Displey Correction Range**

- Without the diopter compensation lens *: -13D to +12D
- When the concave compensation lens is used: -12D to +3D
- When the convex compensation lens is used: +1D to +40D

**Power Source**

- Source Voltage: AC100–240V
- Power Input: 120VA
- Frequency: 50/60Hz

**Dimensions and Weight**

- Dimensions: 272 × 183mm (W) × 464 × 660mm (D) × 512 × 700mm (H)
- Weight: 16kg

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**Optional Accessory**

External fixation target

**EF-2**

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*Not available in Malaysia. Please check with your distributor for availability in your country. The product specifications are subject to change and may differ from the specifications shown in this document.*

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Printed in Japan 2011.02.29 07:15:31
High Quality Image Meets Ease of Use

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
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High Quality Image Meets Ease of Use
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.

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 network*  
*Subject to local infrastructure*
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Other Features

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.

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 4.0W 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

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

Shared Folder

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.
Other Features

**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 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.

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**Specification**

| Observation & photography of the fundus | 45°/75° or equivalent (digital zoom) |
| Working distance | 34.8mm (in fundus photography) |
| Pupil diameter for photography | 45°: ≥ 4.0mm or more, ≤ 3.3mm or more |

**Fixation target**

| Internal fixation target: |
| Dot matrix type organic EL |
| The display position can be changed and adjusted. |
| The display can be changed. |

**Peripheral fixation target:**

This is displayed according to the internal fixation target displayed position.

**External fixation target**

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**Patient Dispter Correction Range**

| Without the diopter compensation lens * | -13D to +12D |
| When the concave compensation lens is used | -12.0 to +35D |
| When the convex compensation lens is used | +10.0 to +40.0 |

**Power Source**

| Source Voltage | AC100-240V |
| Power Input | 120VA |
| Frequency | 50/60Hz |

**Dimensions and Weight**

| Dimensions | 272 - 385mm(W) × 464 - 660mm(D) × 512 - 700mm(H) |
| Weight | 38kg |

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**Optional Accessory**

External fixation target

*EF-2*

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