

NW500

Non-Mydriatic Retinal Camera



RELIABLE,
SHARP-QUALITY IMAGING
WITH
ENHANCED CAPABILITY.

Small Pupil
 ϕ 2.0 mm or more*
Wide 50° field of view



NW500 with Ease-of-Use

Excellent Quality Retinal Image

The NW500 acquires excellent quality retinal images with a pupil size 2.0mm or more*. The NW500 delivers exclusive slit scan technology that enables the capture of sharp-quality images in lighted settings, with more consistency, even when imaging small pupils. Slit scan technology enables consistent, excellent quality colour fundus images across the traditional 3 fixation positions (Disc, Centre and Macula), as well as the 9 fixation positions for peripheral photography.



Overview



Small Pupil Photography with ϕ 2.0mm or More*



Enhanced Quality 12MP Image Sensor**



Rapid and Fully-Automatic Capture by Single Touch



Rotating Monitor Allows Operator to Optimise Distance From Patients



Small Footprint, Space-Saving



Wide Variety of Connectivity Options

Introducing New Slit Scan Photography

Exclusive slit scan illumination and rolling shutter mechanism available in the NW500 make obtaining an excellent quality colour fundus image with less flare and less shadow possible. The slit scan mechanism helps to overcome one of the known causes of poorly graded images in its ability to effectively image smaller pupils. This exclusive technology also contributes to the NW500's ability to capture sharp-quality fundus images regardless of the miosis and lighting conditions, unlike conventional fundus cameras.

Connectivity

Direct DICOM

NW500 is DICOM compliant, making it easy to integrate with PACS and EMR programs.

Ez Capture/ IMAGEnet6

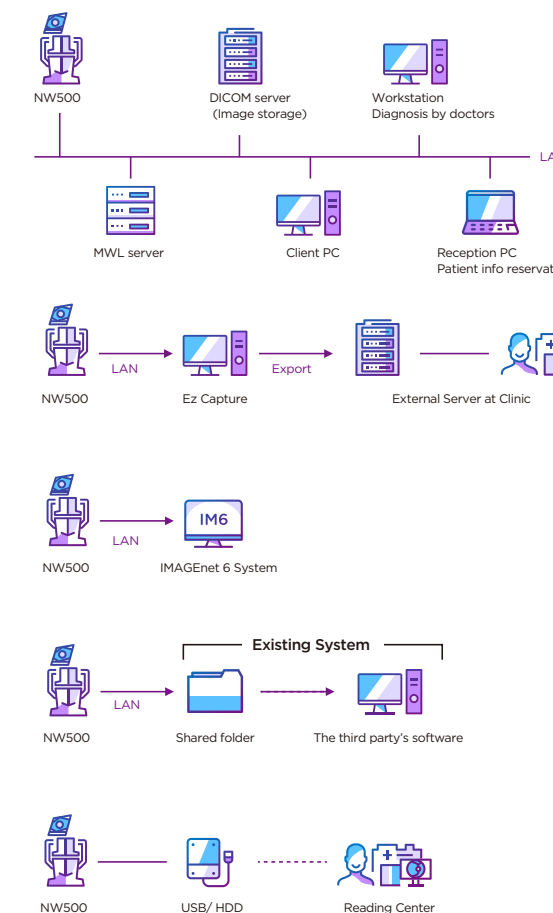
Ez Capture is a standard capture software. NW500 also saves a digital image to IMAGEnet6.

Shared Folder

NW500 can save images into a shared folder on a network. By using a shared folder, third party software, such as AI diagnostic, can retrieve and save images from NW500 and save them into their software.

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.



* Confirmed with model eye
** As compared to Topcon non-mydiatic retinal camera TRC-NW400

Specifications

Angular field of view	50°
Operating distance	35.5mm
Pupil diameter for photography	Normal: ϕ 2.5mm or more Small pupil : ϕ 2.0mm or more (confirmed with model eyes)
Resolving power on fundus	Colour image-capturing • Center: 60 lp/mm or more • Middle : 40 lp/mm or more • Periphery: 25 lp/mm or more
Measuring range for the dioptric power of the patient's eye	-33D to +40D -13D to +12D (when used without diopter correction lens) -33D to -12D (when used with the minus diopter correction lens) +11D to +40D (when used with the plus diopter correction lens)
Internal fixation target	OLED The display method (the following) is adjustable: • Positions • Steady light/Blinking light • Blinking speed • Brightness • Shapes
External fixation target	LED • Auto-alignment
Auxiliary functions for photography	• Auto-focus (usable only when used without diopter correction lens) • Auto-shoot (usable only when used without diopter correction lens) • Auto-small pupil (usable only when used without diopter correction lens)
Power source	
Source voltage	AC100 - 240V
Power input	70 - 120VA
Frequency	50 - 60Hz
Dimensions and weight	
Dimensions	332 - 426mm (W) x540 - 680mm (D) x 519 - 769mm (H)
Weight	20kg

Optional Accessory



External fixation target

EF-2



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

Not available for sale in all countries. Please check with your local distributor for availability in your country.

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