

DIGITAL IMAGING NON-MYDRIATIC FUNDUS CAMERA

NIDEK

Eye & Health Care





Truly Magnificent

NM-1000 **Digital Imaging Non-Mydriatic Fundus Camera**

Digital Imaging for Optimal Screening: Diabetes, Glaucoma Macular Degeneration, and Other Retinal Disease

The Nidek Non-Mydriatic NM-1000 Fundus Camera provides high-resolution megapixel 45-degree images by incorporating a new Digital Progressive Scan CCD Camera. Unlike conventional fundus cameras that convert digital signal into analog data for storage, the Nidek NM-1000 fundus camera offers direct, digital-to-digital data management to provide images of the highest quality.

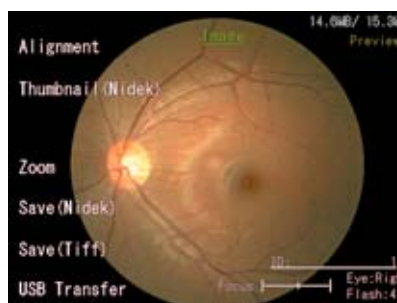
Large LCD provides easy operation

The large 6.4-inch LCD ---specifically designed to position the control panel close to the monitor--- enables easy operation of the NM-1000. In alignment with infrared light, the internal fixation target, patient data, photographed data and other setup information are displayed for maximum convenience. Photographed images are immediately displayed on the monitor in color, where static imaging and segmental zooming are possible.

Alignmnet



Capturing



Zooming



Excellent Functionality

The large 6.4-inch color LCD and control panel allow greater ease of operation and functionality for image capture, processing, editing, zooming and transmission of image data to the removable ATA flash card.

The data files can be temporarily stored in a PC card (ATA flash card)*.

* Data storage capacity will be dependent upon the PC card memory.



Total Data Management

The NM-1000 streamlines your data, including signals from the diagnostic and photographic CCD camera, and information from all other NM-1000 functions

The NM-1000 Camera head swivels 15 degrees to the left or right for maximum flexibility.

NM-1000 High Functionality



NAVIS Compatible

The Nidek NM-1000 fundus camera is the first camera in the market to incorporate USB interface.

Using this interface, the system can be integrated with **Nidek Advanced Vision Information System (NAVIS)** for practical data management.

With NAVIS, storage, retrieval and management of diagnostic images is easily accomplished. Various image modifications such as image processing, analysis, editing and transmission, are also possible.

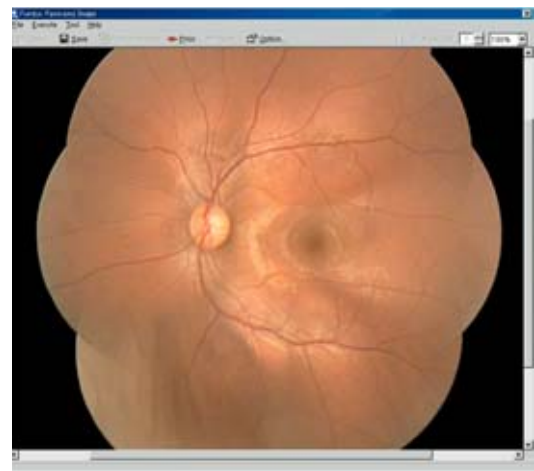


USB interface provides faster transmission of high-resolution images to a computer.

NM-1000 Practical

Patient Data Management

Patient retinal images captured by the NM-1000 fundus camera can be processed and analyzed using NAVIS.



NAVIS Data Analysis

Patient Comfort

The built-in digital CCD camera requires lower flash illumination as compared to film photographs, so the patient will experience minimal discomfort during the photography session.



Highly Flexible

USB, RGB, Analog and **NTSC signal outputs** are incorporated into the design, allowing quick and easy connection to other instruments.

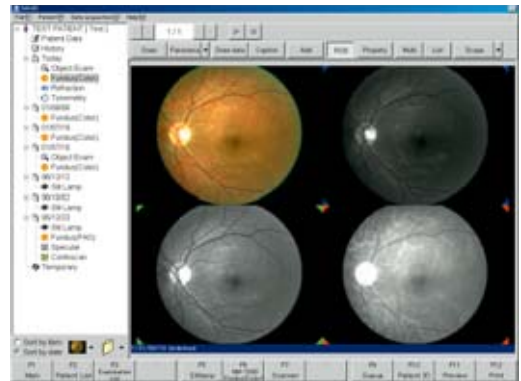
Examples:

USB interface enables connection to a PC workstation and a NAVIS network.

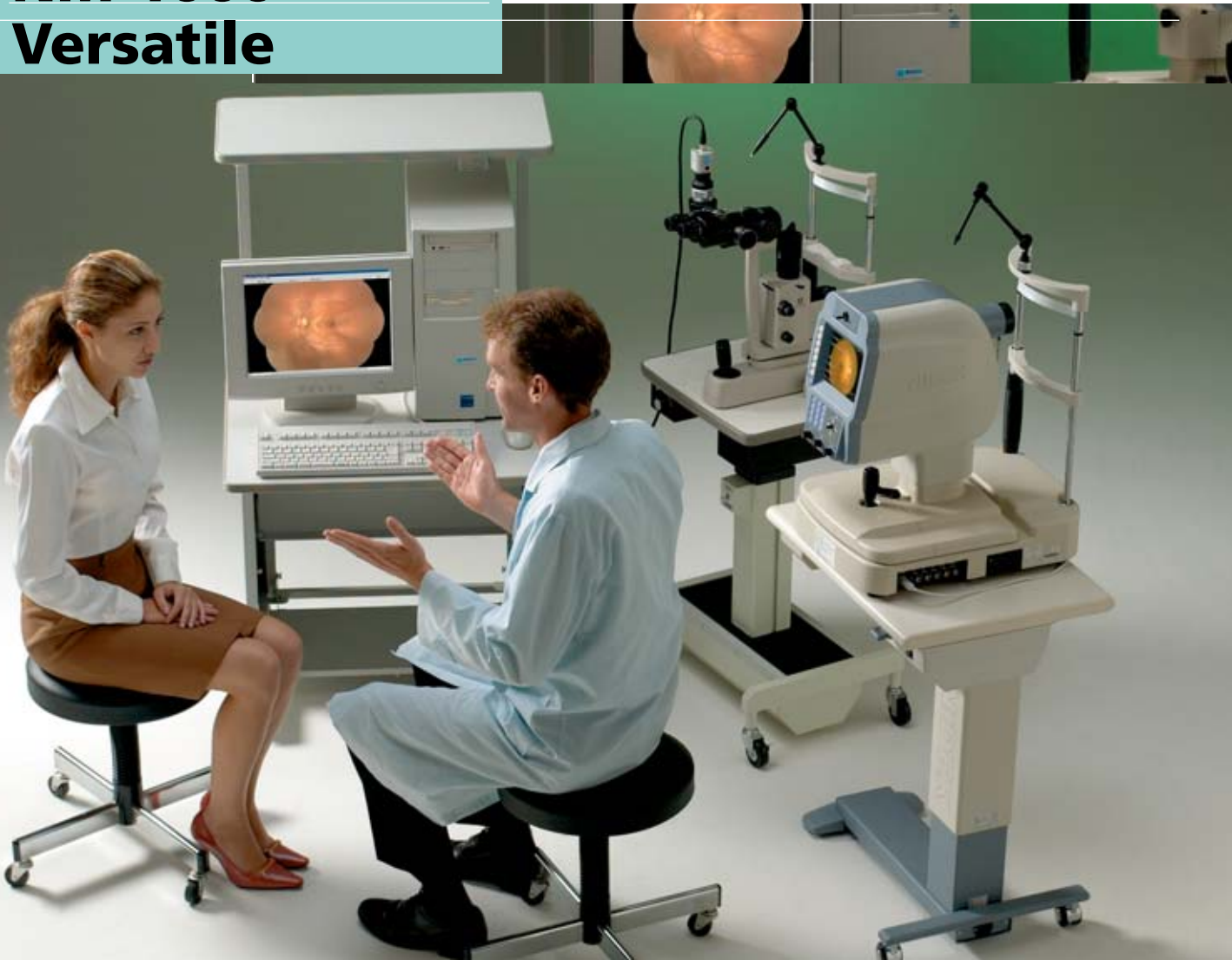


Three independent ports (R/G/B) allow single-color combination images to be displayed.

NTSC interface allows images stored in the camera unit to be displayed on a TV monitor.



NM-1000 Versatile



NM-1000 Specifications

Main Camera Body	
Type	Non-mydiatic Fundus Camera
Picture angle	45°
Working distance	43mm (from camera to cornea)
Working distance detection method	Purkinje bright spots
Minimum diameter of pupil	φ4mm
Dioptic compensation for patient's eyes	-32D~+40D total -32D~-10D with "-" compensator -10D~+14D without compensator +14D~+40D with "+" compensator
Focusing method	Split bright target
Illumination for observation (with an infrared filter)	Halogen lamp; limitless intensity setting
Flash for photographing	Xenon lamp; 8 intensity setting
TV camera for observation	Built-in 1/3 inch CCD (B&W)
TV camera for photographing	Built-in 1/2 inch digital progressive scan CCD
TV monitor	6.4 inch LCD color
Flash recycle time	5 sec., repeatable
Internal fixation targets	Manual lever
External fixation targets	Free-arm (option)
Data imprinting	Patient data (ID, date) Photographic data (flash intensity)
Data storage	Compact flash card (PC card adapter: PCMCIA, Type II)
Camera Operation Stand	
Horizontal movement	65mm forward / backward (Fine movement: 10mm forward / backward and left / right)
Vertical movement	30mm
Function of joystick	Horizontal, vertical movement, shutter release
Signal outlet	USB (Ver-1.1)
Video outlet	RGB / NTSC Composite
Power supply	AC100 / 120 / 230±10%, 50 / 60Hz
Chinrest	
Vertical movement of chinrest	65mm
External fixation targets	Free-arm (2 joints)
Dimensions / Weight	360 (W)~ 530(D)~565(H)mm / 26kg 13.8(W)~ 20.5(D)~ 22 (H)"/ 57lbs



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*CompactFlash is a trademark of SanDisk.

*Specifications and design are subject to change without notice for improvement.



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