Specifications

FEATURES AND FUNCTIONS	
Type	Digital non-mydriatic retinal camera
Type of photography	Colour, digital red-free, anterior eye image
Light source	Observation light source: Infrared LED Flash light source: White LED
Auto-exposure	YES
Auto-focusing	YES
Image	12 MP
Alignment	Fully automatic 3D tracking
Chin rest	Motorised

MEASUREMENT	
Field of view	45° x 45° up to 80°
Minimum pupil size	4 mm
Working distance	25 mm
Focus adjustment range	-15 D to +10 D (without compensation lens) -30 D to -10 D or +5 D to +30 D (with compensation lens)
Flash intensity	10 levels, can be set manually
Fixation target	10 internal points

NETWORK CAPABILITY	
Interface	USB 2.0, Ethernet, HDMI, WiFi
Image format	JPEG, PNG, DICOM, BMP

DIMENSIONS AND ELECTRICAL REQUIREMENTS	
Dimensions WDH	282 x 485 x 492 mm
Weight	17 kg
Voltage	100 VAC to 240 VAC
Frequency	50/60 Hz
Power consumption	<150 W

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TOMEY

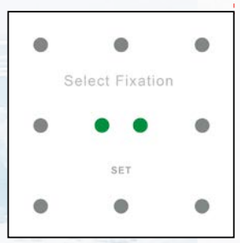
TFC-1000

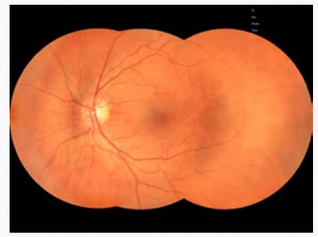
Fundus Camera

You + eye.
We care.

TFC-1000
Fundus Camera

The TFC-1000 is a non-mydriatic fundus camera designed to capture high-resolution images of the retina with outstanding ease and efficiency. This advanced device allows for detailed visualisation of the optic disc, facilitating detection and monitoring of eye conditions like diabetic retinopathy, macular degeneration and glaucoma.





Fixation targets and montage
The region of interest is selected by choosing from one of ten internal fixation targets. The field of view can be extended up to 80° by selecting up to three fixation targets. TFC-1000 guides the exam and combines the images.

Image capture
The automatic capture function helps the operator capture clear images quickly and efficiently thanks to automatic 3D tracking and focusing.

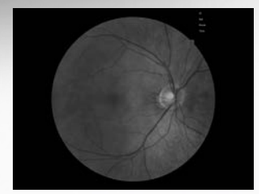
User-friendly interface
The touch-screen interface and the logical arrangement of icons makes using the TFC-1000 very easy and intuitive.

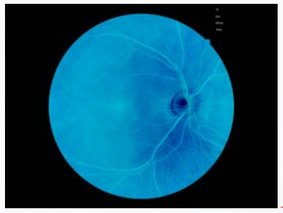
Connectivity and data management
TFC-1000 is DICOM-compliant and can transfer, print and share retinal images via Ethernet, HDMI or USB.

"I APPRECIATE THE TOMEY TFC-1000 FOR ITS ABILITY TO COMBINE PRECISION AND EFFICIENCY IN RETINAL IMAGING. THE INTUITIVE DESIGN AND HIGH-RESOLUTION IMAGES MAKE THE TFC-1000 AN INVALUABLE TOOL FOR THE DELIVERY OF HIGH-QUALITY EYE CARE."

Matthias Görl

PRODUCT MANAGER/
DEPUTY GENERAL MANAGER





Non-mydriatic imaging
The TFC-1000 allows for retinal imaging with no need to dilate the patient's pupils. This is more convenient for the patient, as it reduces discomfort and avoids the extended recovery time that dilation typically requires.

High-resolution imaging
The camera delivers high-resolution images of the retina, which provide a useful basis for decision-making for both the eye-care specialist and for external AI systems.

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