

**iCare** DRSplus



**Innovating a higher standard  
in retinal imaging**

For better perception **icare**





# iCare DRSplus

## Focus. Quality. Comfort.

iCare DRSplus® **Confocal Fundus Imaging System** uses white LED illumination to produce TrueColor and detail-rich images, setting a new effective and efficient standard of **retinal imaging**.



**TrueColor Confocal Technology**, with white LED, promotes **detailed 45° retinal images** and allows to **scan through cataract**.



The Confocal Technology permits imaging through **pupils as small as 2.5 mm**, without need of dilation, ensuring a comfortable patient experience.



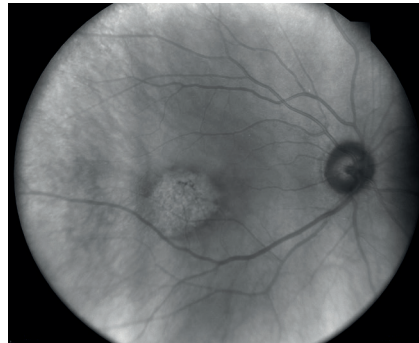
**Fast Fully Automated** operation requires minimal staff training to acquire the highest quality images, speeding up the examination time.





## iCare DRSplus provides different imaging modalities

TrueColor, Infrared, Red-free, Blue and Red channels, External Eye, Stereo view\* of the ONH and Mosaic\*.



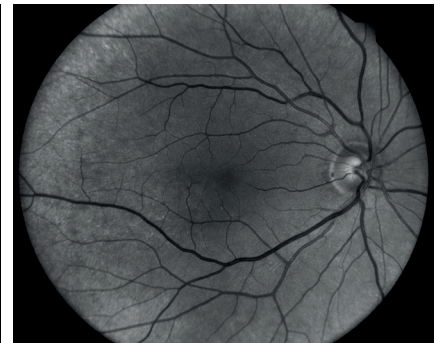
Infrared



Red-free



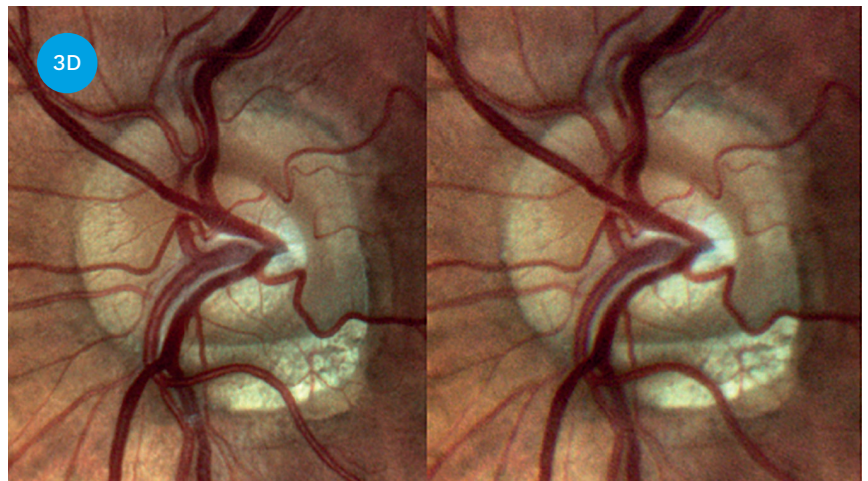
Blue



Red

## Stereo Viewer Technology

DRSplus Stereo Viewer Technology\* automatically captures two separate photos of the nasal field, at different angles and different focal planes (bifocal), creating improved 3D perception of the disc.



Stereo pair

## External Eye Photography

Fully automatic external eye acquisition, without patient head adjustment, allows for documentation of eye surface and cornea conditions.



External Eye



The Mosaic function allows a  
**panoramic view of the retina, up to 80°**

By using the Mosaic function\* – a special stitching algorithm – DRSplus automatically combines different fields without user intervention.





## iCare DRSplus **Remote Viewer**

The DRSplus Remote Viewer\* is a browser-based software license that allows for reviewing from any network computer on the same local area network (LAN), with user login and password protection.



## iCare DRSplus **Remote Exam**

The DRSplus Remote Exam\* allows the user to control the device remotely, extending the distance between the operator and patient. Once the device is connected to the LAN of the medical office, the remote acquisition can be executed from any laptop connected to the same LAN, at a proper safe distance.





Provide your patient with a  
**comfortable exam experience**

DRSplus is designed to optimize patient comfort during the exam,  
allowing for improved workflow and clinic efficiency.





## Technical data

### iCare DRsplus

#### Fundus Imaging System Features

##### Field of View

Individual image

45°

Mosaic (up to 9 fields)

83°

Light Sources

White LED: 420-675 nm

Infrared LED: 825-870 nm

Imaging Modalities

TrueColor, Infrared, Red-Free\*\*, Blue\*\*, Red\*\*, Stereo\*, Mosaic\*

Autofocus Adjustment Range

-15D to +15 D

Automatic Operations

Auto-alignment, Auto-focus, Auto-exposure, Auto-capture, Auto-montage

Minimum Pupil Size

Non-myd 2.5 mm

Working Distance

25 mm

Image Size

10 Megapixels

Resolution

77 pixel/degree

Fixation Targets

Internal/External\*

Dynamic Programmable Internal

Central, Nasal, Temporal, Central-Nasal, Superior, Inferior,

Fixation Target

Superior-Temporal, Superior-Nasal, Inferior-Temporal, Inferior-Nasal

External Eye

Yes

#### Internal Computer

Display

Integrated 10.1" (1280 x 800) Color, Capacitive, Multi-touch

Hard Drive

SSD ≥ 480 GB

Interfaces

USB port 2.0 x 3, Gigabit Ethernet Port x 1

Export / Import

jpeg, pdf, DICOM\*, Web API\*

Remote Viewer\*

Up to a maximum of 5 remote stations

#### Dimensions/Power supply

Size (WxHxD)

300 mm x 450 mm x 650 mm / 11.8" x 17.7" x 25.6"

Weight

11 Kg (24.3 lbs)

Device Power Supply and

Voltage 12V DC

Consumption

Power Consumption 60W

External Power Supply

Input: Related voltage 100-240V

~ 50-60 Hz 2V

Output: 12.0V DC 5.42A

Electrical Class

IEC 60601-1 Class I

\* Optional  
\*\*Digital filters



## iCare. For better perception.

iCare is a trusted partner in ophthalmic diagnostics, offering physicians fast, easy-to-use, and reliable tools for diagnosis of glaucoma, diabetic retinopathy, and macular degeneration (AMD). Our product assortment includes automated TrueColor imaging devices, perimeters and handheld rebound tonometers.

We believe that ophthalmic care must be accessible, effortless, and reliable, and we aim to establish the next level of eye care.

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### **Centervue S.p.A.**

Via San Marco 9H  
35129 Padova, Italy  
Ph. +39 049 501 8399  
info@icare-world.com

### **Icare Finland Oy**

Äyritie 22  
01510 Vantaa, Finland  
Ph. +358 9 8775 1150  
info@icare-world.com

### **iCare World Australia**

Level 9, 276 Flinders Street  
Melbourne Victoria 3000,  
Australia  
Ph. +61 3 85927079  
infoAU@icare-world.com

### **Icare USA, Inc.**

8601 Six Forks Rd., Ste 310  
Raleigh, NC 27615  
Ph. +1 888.422.7313  
Fax +1 877.477.5485  
infoUSA@icare-world.com

[www.icare-world.com](http://www.icare-world.com)

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