

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 DRSpplus provides different imaging modalities

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



Infrared



Red-free



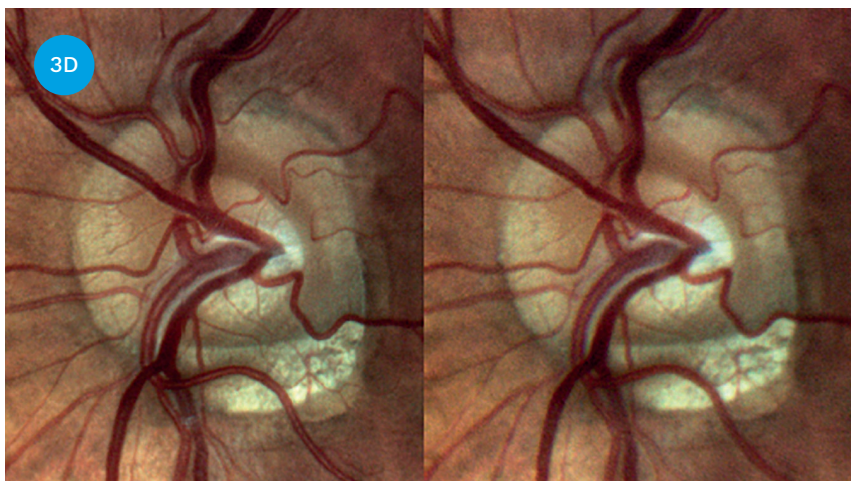
Blue



Red

Stereo Viewer Technology

DRSpplus 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 Fixation Target | Central, Nasal, Temporal, Central-Nasal, Superior, Inferior, 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 Consumption | Voltage 12V DC 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



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