

SPECIFICATIONS

Functionality	Automated Optical Coherence Tomography (OCT) Automated True Color Fundus Camera (FC)
Computer	Integrated with the device Window 10 IoT Enterprise version
Display	10.1in LCD with Touch function, 1280x800 pixel
Alignment	Automatic 3D Tracking/Focusing, Manual
Light Source	Optical Coherence Tomography: SLED 840nm Fundus Camera: LED White (capture) / NIR (alignment)
Scan Mode	3D Mode: 3D Optic Disc, 3D Macula, 3D Wide Line Mode: Line, Wide Line, 5-line Cross, Radial Pachymetry and Angle Measurement (Anterior Chamber)
Scan Range	Line and 3D Mode: 6mm x 6mm (H & V \pm 5%) Wide Line Mode: 12mm or less (\pm 5%)
Scan Speed	80KHz A-scan
In-depth Resolution	< 6 μ m
Fixation Target	15 points internal (Green), 1 adjustable external (Amber)
Type of Photograph Review	True Color, Red-free, Negative Film
Field of Angle	45 $^{\circ}$ \pm 5%
Focus Adjustment Range without compensation lens	-15D to +10D
Focus Adjustment Range with compensation lens	-30D to -10D +5D to +30D
Photographable Pupil Size	ϕ 2.5mm or more via OCT; ϕ 3.8mm or more via FC
Fundus Image Resolution	12M Pixel
Interface of Connectivity	HDMI, USB3.0 (blue), USB2.0 (white), RJ45/Ethernet
OM Operating Range	Front/Back 65mm, Left/Right 100mm, Up/Down 30mm
Chinrest Adjustment Range	Up/Down 70mm
Power Supply	Medical Grade, AC100-240V@50-60Hz, Auto Power Consumption < 400VA
Dimension	W 409mm, D 534mm, H 546mm
Weight	32kg

VISION 700

Fully-Automated
Optical Coherence Tomography
True Color Fundus Camera



OCT
A-scan



Fundus
Camera



3D Auto
Tracking



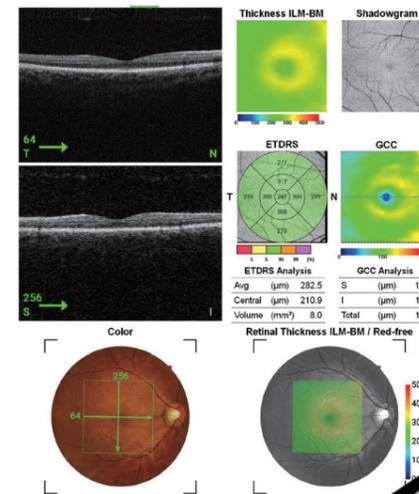
10 Scan
Modes



DICOM



Touch
Screen



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FULLY-AUTOMATED, FAST, FULLFILL CLINICAL NEEDS IN ONE TOUCH, ONE INSTRUMENT

OCT + Fundus Camera

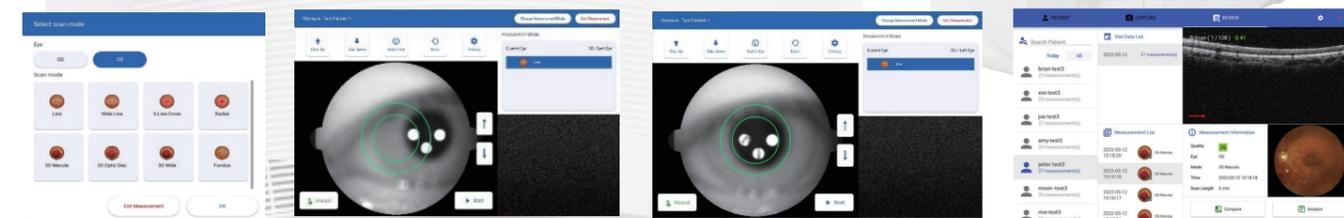
Crystalvue Vision 700 is a fully-automated, non-contact, high resolution tomographic and biomicroscopic imaging device. It also incorporates a non-mydratic digital fundus camera and a built-in Windows 10 OS computer.

Vision 700 is indicated for in vivo viewing, axial cross sectional, and 3D imaging and measurement of posterior ocular structures, including retina, retinal nerve fiber layer, macula and optic disc as well as imaging of anterior ocular structures.



Fully Automatic Alignment and Image Capture with Single Tap

With a single tap, Vision 700 can automatically align, focus, track, capture images and provide measurement results for Macula OCT and Disc OCT. In addition, Vision 700 performs auto measurement for Pachymetry OCT when the CAM (optional accessory) is attached. By using 3D tracking and focusing technique, Vision 700 simplifies the examination process for doctors while optimizes patient care.



Step 1: Select a measurement mode.

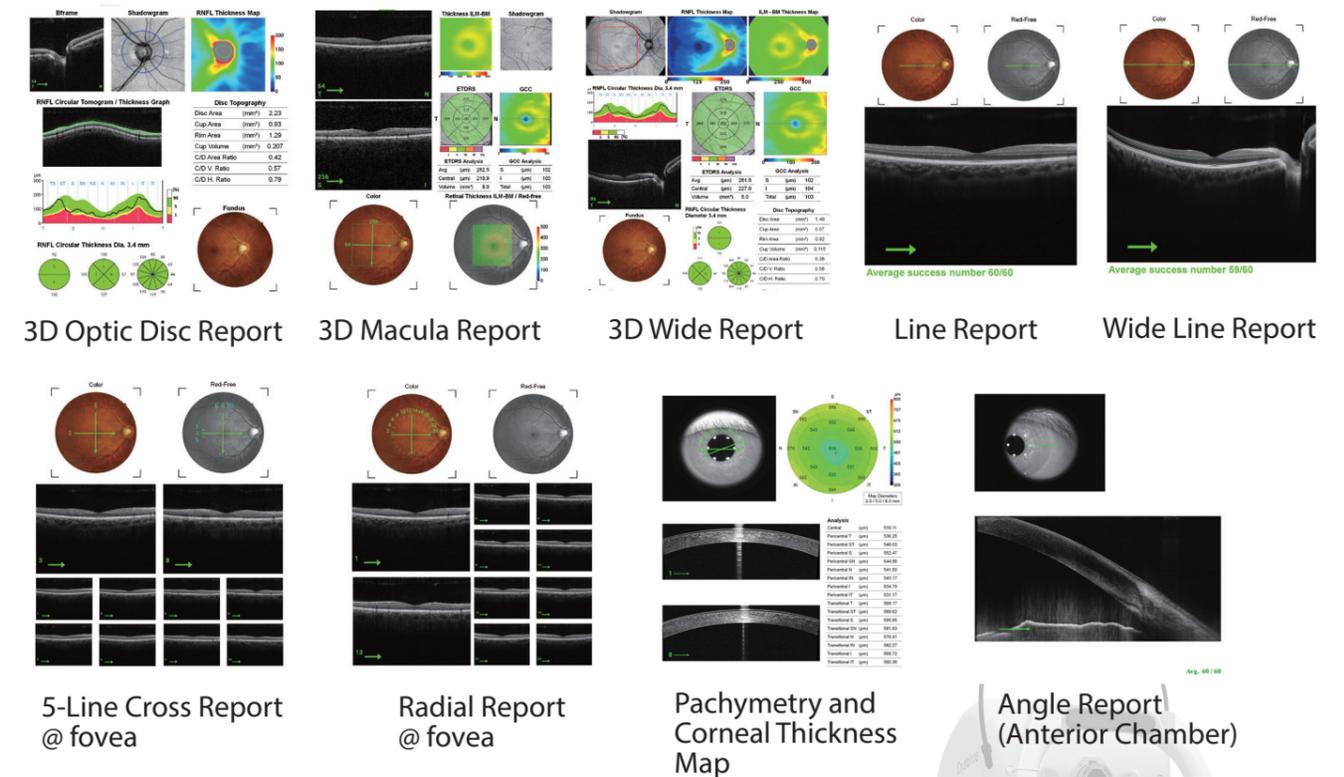
Step 2: Tap the center of the pupil, system will align automatically.

Step 3: Click 'START' System will track and finish measurement.

Step 4: Results will be shown in Preview page instantly.

Comprehensive Analysis Reports for Each Scan Mode

Vision 700 offers various analysis reports, including TS/NIT, AVERAGE and ONH in 3D Optic Disc mode; THICKNESS, ETDRS and GCC in 3D Macula mode/ 3D Wide mode; Corneal thickness map in Pachymetry mode; Angle mode, 5-Line Cross mode, Line mode, Wide Line mode and Radial mode. Detailed and pre-formatted reports can be easily exported, printed or shared.



3D Optic Disc Report

3D Macula Report

3D Wide Report

Line Report

Wide Line Report

5-Line Cross Report @ fovea

Radial Report @ fovea

Pachymetry and Corneal Thickness Map

Angle Report (Anterior Chamber)

High Quality OCT/Fundus Image

Vision 700 captures and generates 12 MP high quality true color retinal images. A high-resolution B-scan makes pathology easier to be identified by reflecting the layers of the retina in exquisite detail.

10.1" Touch Screen and Built-in Tool

Vision 700 features an intuitive interface and a large 10.1" touch screen. It is also equipped with functional built-in tools for doctors to compare and measure images or edit layers.

En Face Imaging

En Face technology provides transverse images at a specific depth of the retina. Vision 700 OCT/Fundus overlay feature can be applied to any designated area rather than merely the fovea. The wide scan range of 12x9 mm is supported.

AI-Based Trend Analysis

Vision 700 provides AI-based trend analysis with up to four measures of both eyes in 3D Macula or 3D Optic Disc mode, giving clinicians more diagnostic options.

