HFC-1

Huvitz Non-Mydriatic Fundus Camera
with Full Color Digital Image Acquisition

Specification

Type	Non-mydriatic fundus camera
Resolution	Center : 60 lines/mm or more Middle (r/2) : 40 lines/mm or more Middle (r) : 25 lines/mm or more
Angle of view	45°
Camera	Color Image Sensor
Minimum pupil diameter	4.0mm (Normal mode), 3.3mm (Small pupil mode)
Flash light	White light
Working distance	33mm
Display	12.1 inch, 1280x800 pixel, Touch panel color LCD
Dioptric compensation for patient's eye	−33D ~ +33D total −33D ~ −7D with minus compensation lens −13D ~ +13D with no compensation lens +7D ~ +33D with plus compensation lens
Internal fixation target	LCD (internal), White LED (external)
Horizontal movement	70mm (back and forth), 100mm (left and right)
Vertical movement	30mm
Chinrest movement	62mm (up and down), motorized
Auto tracking	X,Y for positioning, Z for working distance
Power supply	AC 100−240V, 50/60Hz, 1.6−0.7A
PC	Built-in computer
LCD Tilting angle	70°
Dimensions	330(W) x 542(D) x 521(H) mm
Mass	28kg

* Specification and design are subject to change without notice.

Huvitz Re:define, Re+create

Keep to the Basics, Huvitz Fundus Camera
– Quick View & Analysis by PC Built–in System

With a large display of 12.1" Touch Screen & built–in PC,
Huvitz Fundus Camera is able to actualize quick view and analysis.
Acquiring Detailed Full–Spectrum Retinal Images,
HFC–1 can help to lesion analysis and clinical diagnosis.
Thanks to Low Intensity of Flash, Speedy Capturing, Auto Tracking & Auto Shooting,
HFC–1 provides High Stability and Ease of Use.
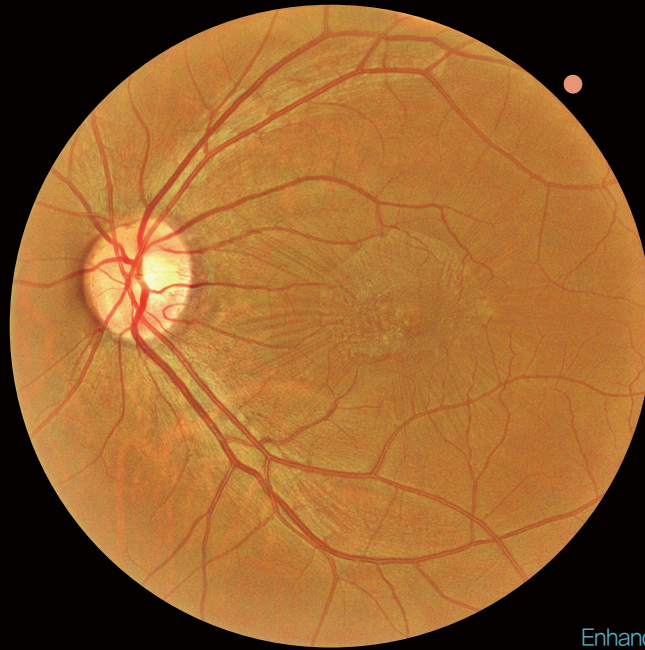
Enhanced Visualization Technology : EVT

Applied EVT (Above) / Unapplied EVT (Below)
ERM (Epiretinal Membrane)

Huvitz Fundus Camera with Quick View & Analysis
– PC Built–in System with Enhanced Basics

HFC–1 visualizes even fine pathological variation by an innovative optical algorithm.

Camera of High Performance and Definition

Efficient Camera reducing Motion Artifact, acquires high–quality images, searches from general outline till enlargement for details.
Also, acquired images can be visualized by a variety of image mode so it can help to further analyzing, diagnosis.

A Variety of Image Modes

- Color : Brilliant & Full Spectrum Images
- Blue : RNFL, Wrinkles, Edema, Cell membrane
- Red : Pigmentary Abnormalities, Choroidal Rupture, Birthmark, Melanoma
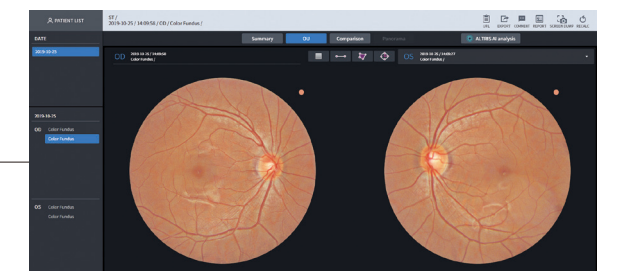- Red–Free : Glaucoma, Diabetic Retinopathy
- Cobalt : RNFL
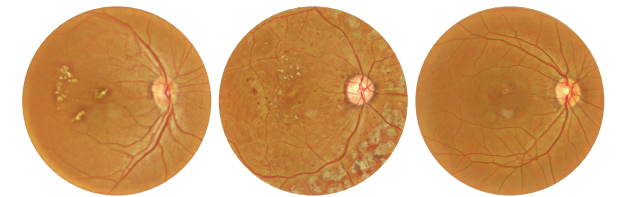
AMD   PDR, Laser Scar   CNV

Enhanced Visualization Technology (EVT)

The Enhanced Visualization Technology (EVT) of HFC–1 helps to acquire high–quality images in any clinical cases. Therefore, it is specifically utilitious when capturing fine pathological variation.

Web Browsing System

HFC–1 enhances accuracy and certainty of diagnosis with high speed & utilitious analyzing functions.

Compact Design for Space Efficiency

By Compact design with built–in PC, measurement, analysis, diagnosis, report can be done in one site. HFC–1 is economically designed for space saving.

12.1" LCD Touch Screen

HFC–1 offers high–quality resolution without afterimage thanks to real time imaging processing chip.
As HFC–1 adapts Wide Color TFT LCD, users can experience live images with high resolution.
In addition, Touch screen increases user convenience.

Quick & Stable Auto Tracking & Auto Shooting

HFC–1 provides quick and stable Auto Tracking & Auto Shooting based on accurate Auto–detection technology. Also, there is no need to change modes for measuring small pupil that HFC–1 automatically measures.

Web Browsing System without Software Installation

Without software installation, users can analyze patient measurement data on Web Browsers such as Internet Explorer, Safari, Chrome.
Since DICOM is compatible, HFC–1 meets the latest medical IT trend.

Fixation Target

By adjusting Fixation Target's position on the display, users can acquire more accurate measurement results.

Panorama Function

The function provides major information to general evaluation for eyes since users can acquire high resolution images minimizing distortion.

Panoramic (Non–Mydriatic Composite Retinal) Image