VIEWLIGHT

POWERED BY INNOVATION

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www.viewlightusa.com

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FDA

SLIT LAMPS

CSL Series

FDA

Clinical Slit Lamps

CSL-7U

10x | 16x | 25x

Clinical Slit Lamps

CSL-8U

6x | 10x | 16x | 25 | 40x

Clinical Slit Lamps

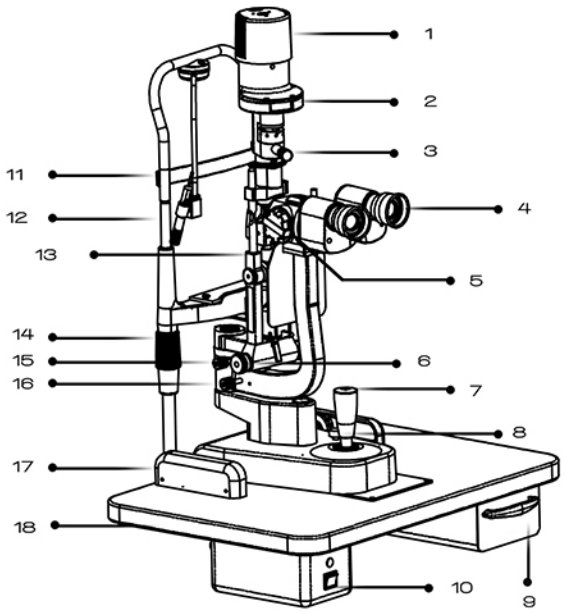
CSL-10U

6x | 10x | 16x | 25 | 40x

Clinical Slit Lamps

CSL-11U

10x | 16x



1. *LED / Halogen Cover*
2. *Aperture Window / Slit Height*
3. *Slit Height Control Knob*
4. *Eyepieces*
5. *Magnification Select Dial*
6. *Slit Width Control Knob*
7. *Joystick (Camera Freeze & Capture)*
8. *Slit Width Control Knob*
9. *Table Drawer*
10. *Control Power Unit*
11. *Chinrest*
12. *Fixation Target*
13. *Reflective Mirror*
14. *Chinrest Elevation Adjustment Knob*
15. *The Mark of Microscope Arm*
16. *Microscope Arm Locking Knob*
17. *Wheel Shields*
18. *WorkTable*

Excellent
IMAGE QUALITY

Viewlight's sophsticated slit lamp has multiple continuous and revolving drum magnification changers, giving a clear, brilliant and well contrasted images thanks to the multi-layer anti reflection treatment.

Slit Lamps
Magnifications

	TYPE	MAGN. CHANGER	MAGNIFICATION	EYEPIECE	FIELD VIEW	PUPIL RANGE	DIOPTER
CSL - 7U	Galilean Stereoscope	Revolving Drum	3 Step Magnification	12.5x	10x, 16x, 25x	55-78mm	±6D
CSL - 8U	Galilean Stereoscope	Revolving Drum	5 Steps Magnification	12.5x	10x	55-75mm	±6D
CSL - 10U	Galilean & Parallel Type	Revolving Drum	5 Steps Magnification	12.5x	6x, 10x,16x, 25x, 40x	55-82mm	±7D
CSL - 11U	Converging Stereoscope	2 Steps - Alt. Objective Lens	2 Steps Magnification	10x	10x & 16x	50-82mm	± 5D

Alternate Objective Lens
10x | 16x

These sophisticated lens allows the operator to easily maneuver between high and low magnifications using a two-position of magnification.

Cross Slide + Capture
Joysticks

Viewlight USA slit lamps, are built with a precise, smooth and high quality joystick. It provides lateral, longitudinal and vertical movements during all patients examinations.

	FRONT & BACK	LEFT & RIGHT	FINE MOVEMENT	VERTICAL
CSL - 7U	90mm	100mm	15mm	30mm
CSL - 8U	90mm	100mm	15mm	30mm
CSL - 10U	90mm	100mm	15mm	30mm
CSL - 11U	90mm	100mm	15mm	30mm

Smooth & Control
Mechanics

All Viewlight's joystick can also be rotated to lower or elevate the light beam. The locking screw located at the base secures the slit lamp from movement when it is not in use.

Precise & Quality
Adjusters

Viewlight's high quality optics and precise mechanical parts are feasible for all adjustable slit positions designed for comfort and a new experience while capturing and recording the patients eyes.

Slit Lamp
Filters

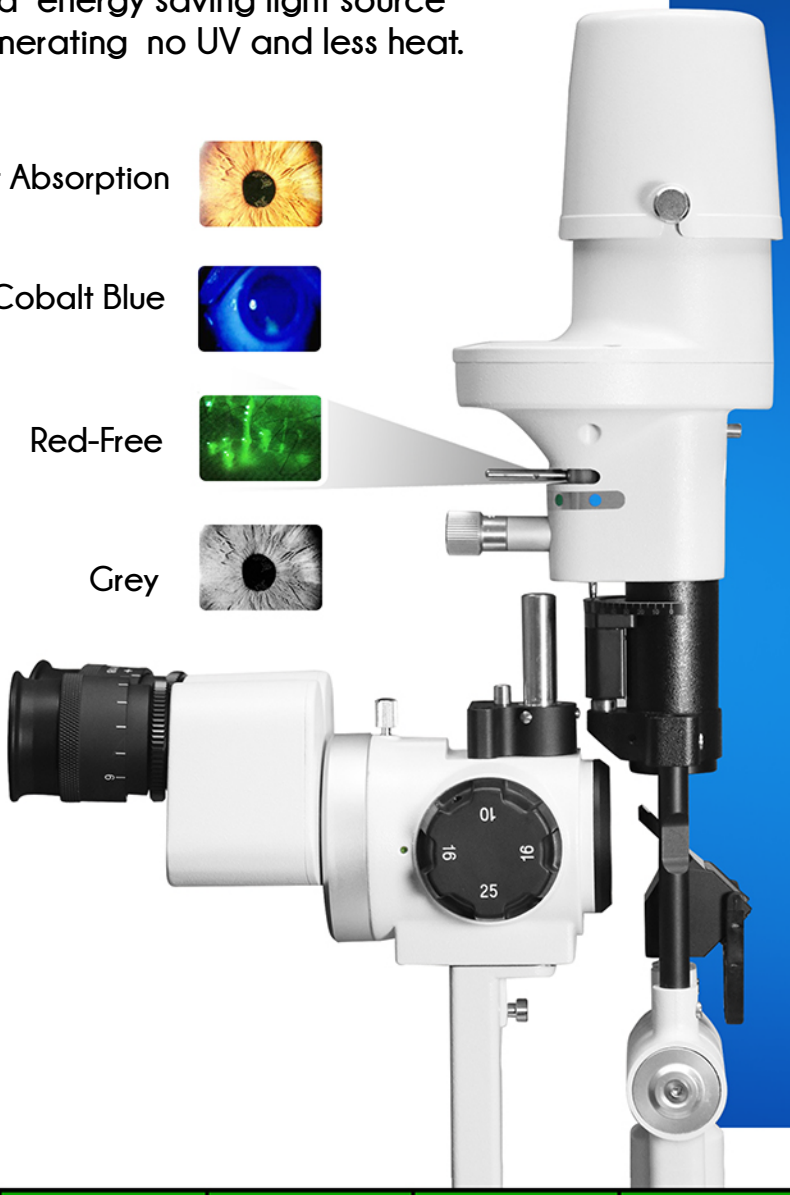
Inami's Slit Lamps Illumination features a built-in yellow filter for clearer view and energy saving light source generating no UV and less heat.

Heat Absorption

Cobalt Blue

Red-Free

Grey



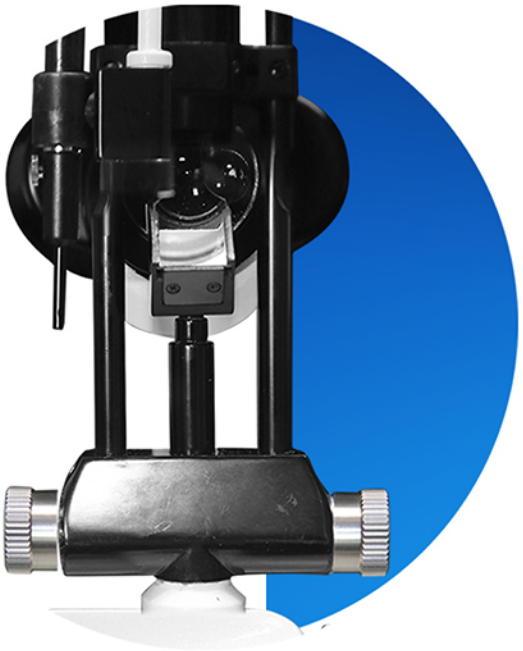
Illumination
System

Viewlight's slit lamps offers a powerful illumination system with either Halogen or LED light bulbs for optimum color rendition and continous illumination control. It provides a steady 50,000 hours of working lighting time observation,

	TYPE	MAGN. CHANGER	MAGNIFICATION	EYEPIECE	FIELD VIEW	PUPIL RANGE	DIOPTER
CSL -7U	Galilean Stereoscope	Revolving Drum	3 Step Magnification	12.5x	10x, 16x, 25x	55-78mm	±6D
CSL -8U	Galilean Stereoscope	Revolving Drum	5 Steps Magnification	12.5x	10x	55-75mm	±6D
CSL -10U	Galilean & Parallel Type	Revolving Drum	5 Steps Magnification	12.5x	6x, 10x,16x, 25x, 40x	55-82mm	±7D
CSL -11U	Converging Stereoscope	2 Steps - Alt. Objective Lens	2 Steps Magnification	10x	10x & 16x	50-82mm	± 5D

Short and Long Reflectors

Normally most of our slit lamps includes one to two reflectors. One is long and the other is short. We usually use the long reflector. When the included angle between the lighting component, the microscope is between 3 degree and 10 degree, the image may be obstructed. Then you can use the short reflector.



Halogen & LED Illumination

Showcases the aperture slit height & four filter dial selections. Halogen bulbs are easily to be installed and removed with no hesitations.

HAAG STREIT Type Illumination

Viewlight slit lamp offers an halogen or LED illumination lamp designed for accurate and detailed observations.

Slit Lamp
Chinrest

All patient positioning frame consist of two upright metal rods to which are attached a forehead strap and a chin rest. Viewlight's chinrest height can be adjusted with the knob side knobs.

Chinrest
Paper

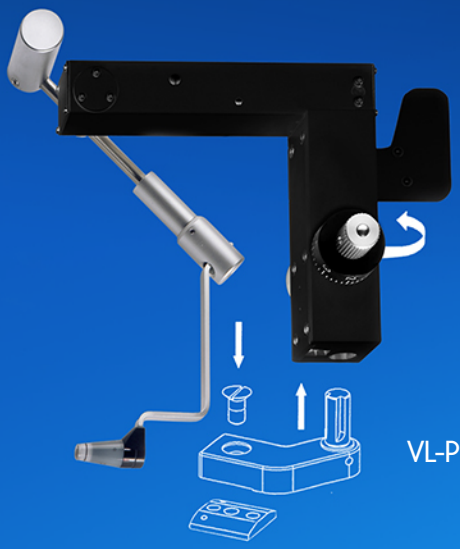
When the paper needs replenished, pull upwards on the two fixing pins of the chin rest and replace with a new package of paper. Then secure the fixing pins again.

Fixation
Target

Viewlight's offers two different fixation targets, available with the diopter adjustment target and the illuminated fixation spot.

Tonometer
TU-100

Tonometer TU-100 provides extreme measurement accuracy and the value is directly readable on the instrument, without any standardization and calibration difficulties. Range: 0~10.6Kpa

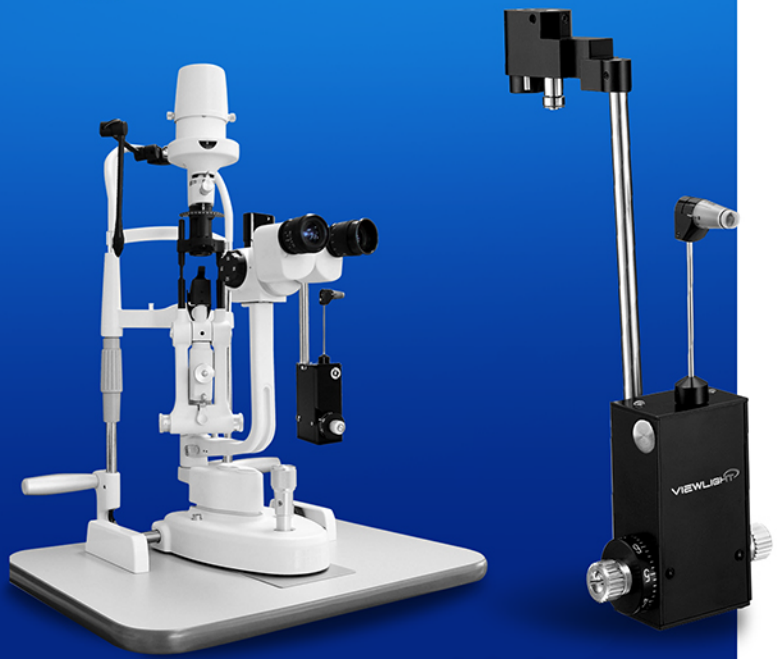


VL-PCSL2TM

Tonometer
RU-900

VL-PCLSUTM

This applanation tonometer is designed to function as an integral part of the Haag-Streit type slit lamps. Range: 0 - 80 mm Hg



VL-PCLSUTM

Tonometer
RU-100

Viewlight's tonometer RU-100 is an important instrument to measure the intraocular pressure. Range: 0~10.6Kpa

IMAX-5

IMAGING SYSTEM

The IMAX-5 is a compact and light 5 megapixel digital camera with accurate and intelligent exposure.

Digital Camera
Compatibility

Widely compatible to different brand model slit lamps. CSL 11U is the ideal and highly recommended slit lamp for the IMAX-5.

Smart Auto Exposure
Wireless Button

2.4Hz wireless solution, no aiming, fast reaction, and stable performance. 3V Energizer Battery Not Included

User Friendly Interface
USB Transfer

IMAX-5 has a simple design style and friendly interface help operators handle it quickly and efficiently. Includes a professional centralized management software and integrated printing functions.

Digital Adaptor
VL-Z8

Slit lamps are designed to incorporate optional accessories such as the digital adaptor VL-Z8, in order to mount the optional stylish Canon professional camera Version T5- T8.

Digital Adaptor
VL-Z5

This horizontal beam splitter dual port camera adaptor VL-Z5, is a perfect assembly for all Viewlight, Zeiss, Inami, and Topcon slit lamps.

Built-in Adaptor
CSL-8U

The CSL-8U has a built-in beam splitter, includes a digital photo adaptor, and a 12.4 megapixel CANON camera to capture images of the anterior, posterior segment: cornea, sclera, iris, lens and retina.

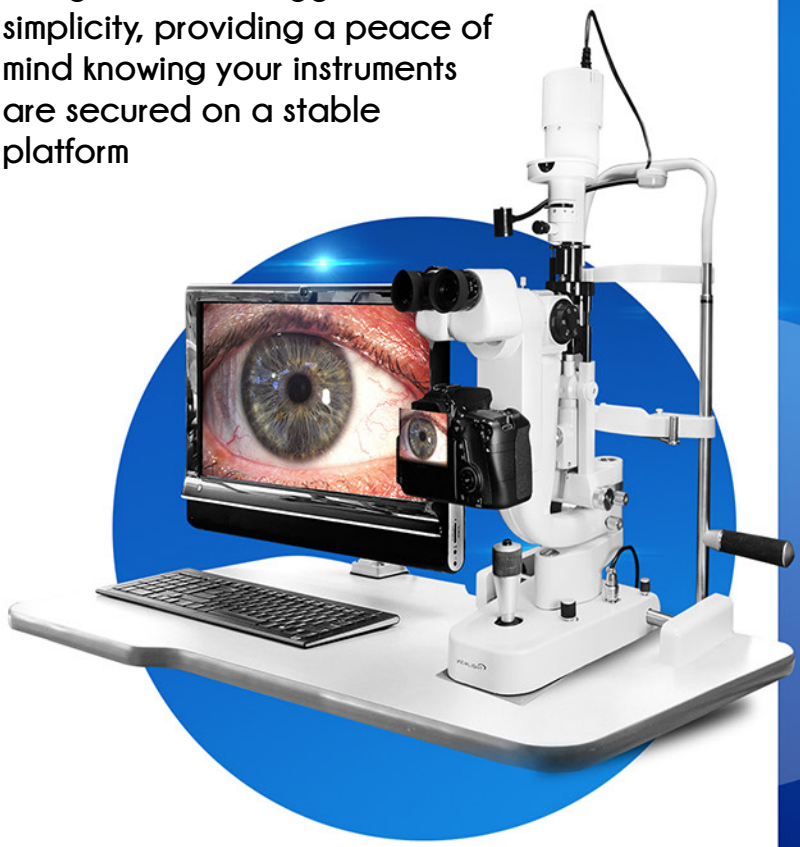
Electrical Tables
1x Device

This sturdy and secured instrument table features an adjustable height sequence designed for 1 optical instrument configurations.

EIT-17

Electrical Tables
2x Device

Viewlight's two device table top station are designed with a rugged construction and simplicity, providing a peace of mind knowing your instruments are secured on a stable platform



DT-EIT-16

Multiple Device Tabletop

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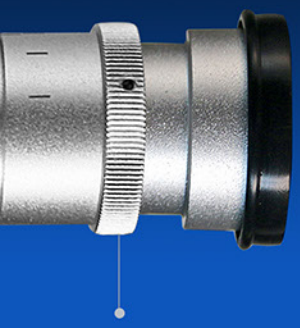
Portable Slit Lamp

PSL1

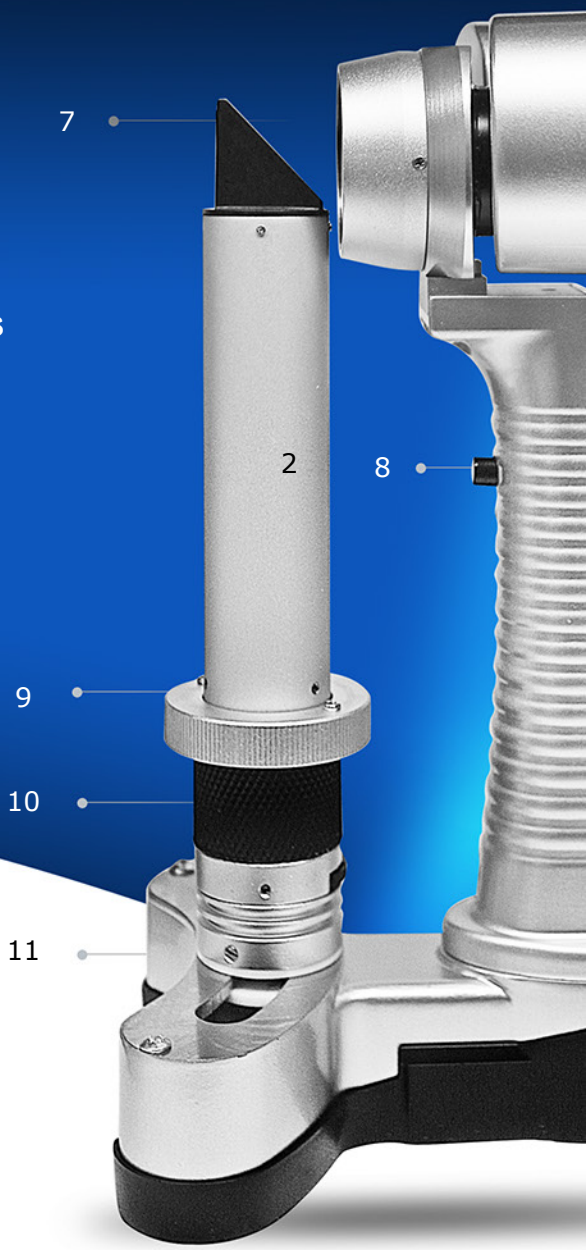
FDA

Portable Slit Lamps

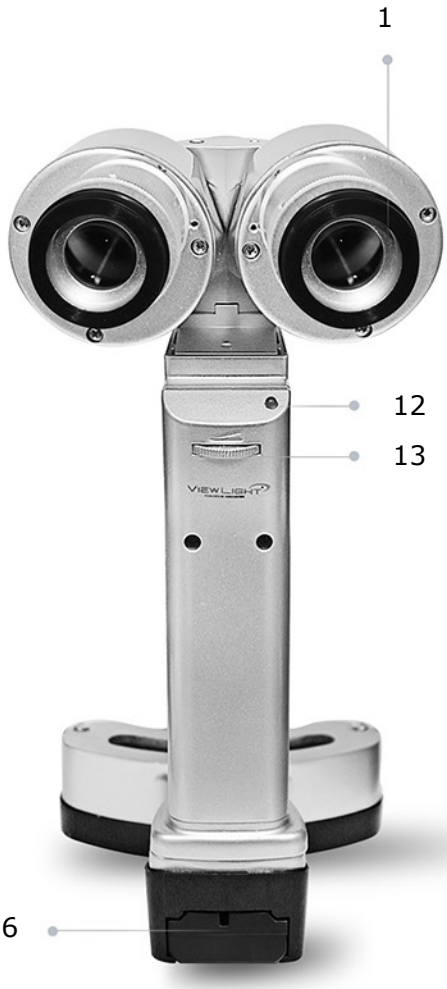
PSL1

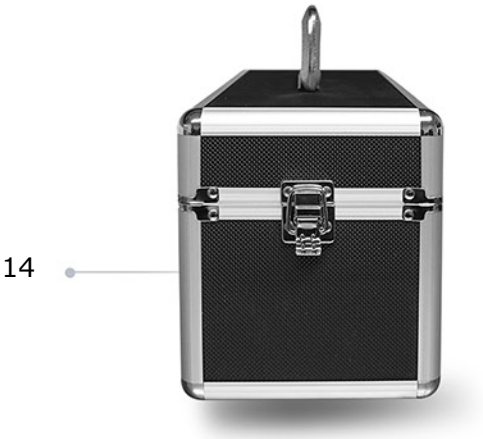


1. Magnification Head
2. Set of 10x and 16x Eyepieces
3. Diopter Adjustment Level
4. Forehead Rest
5. Charger and Battery
6. Battery Accommodation Part
7. Mirror
8. Illumination On / Off



9. Slit Opening and Shutting Ring
10. Filter Rotation
11. Slit Rotation
12. Indicator
13. Illumination Control
14. Carry-On Case





VIEWLIGHT®
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- Ergonomic design, high quality optics and precision mechanical parts.
- PSL1 is a hand held slit lamp with high luminance white LED.
- The PSL1 portable slit lamps are accessibly lightweight and continuously variable.
- Compact design enables inspection before and after operation at the patient's side.
- PSL1 offers a two magnifications 10x and 16x eyepieces and accommodated illumination control switches.
- 2 hour battery drive for continuous operation and illuminations.

10x and 16x Eyepieces
Objective Lens

Pupil - Distance
Adjustment

Product Introduction

Portable Slit Lamps

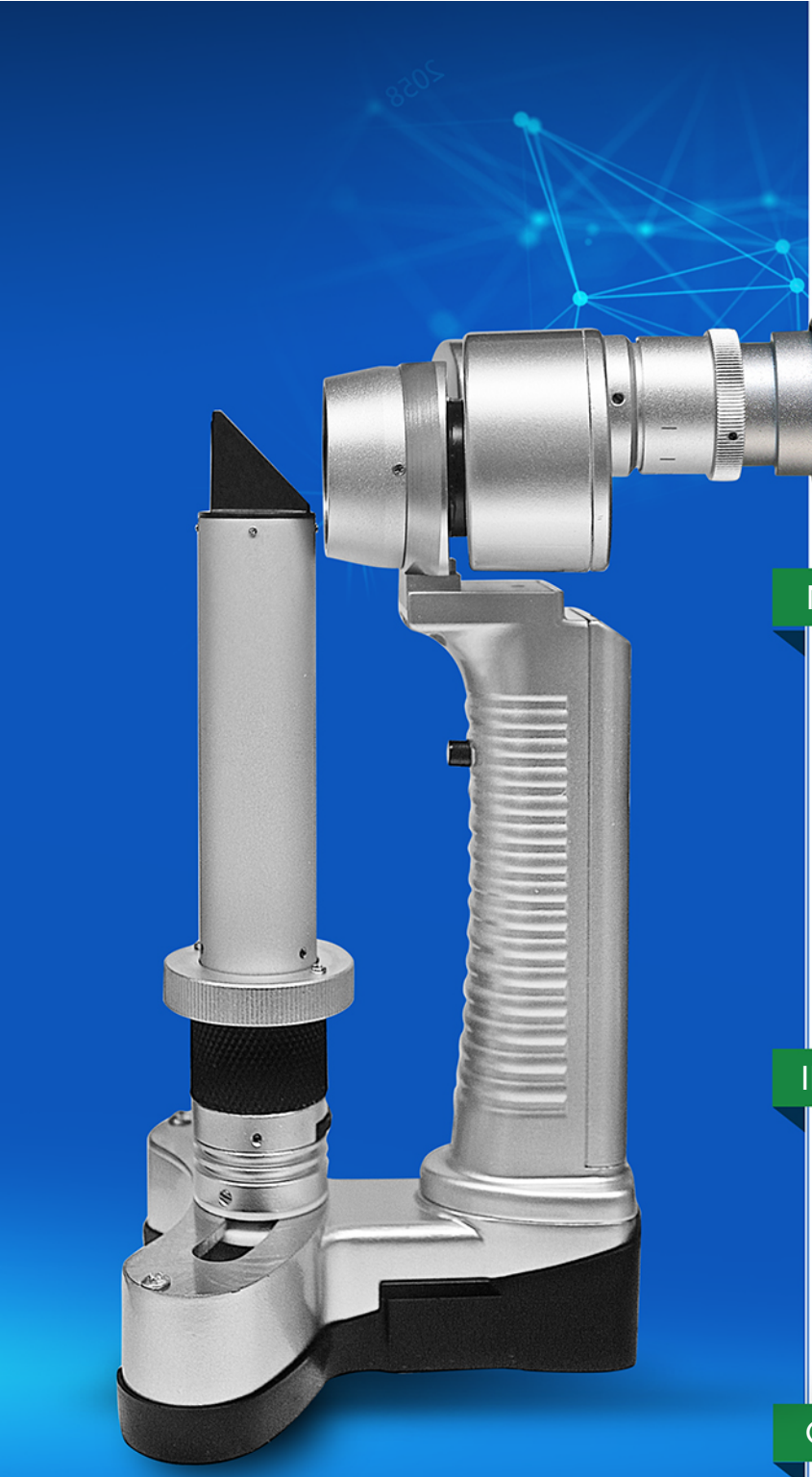
PSL1

PSL1 high luminance LED lighting system is light weight by design and enables inspection at the patient's comfort level.

PSL1 is a rechargeable 704V 680mAh battery, which operates with over two hours of continuous illumination usage.

PSL1 enables you to optically change the pupil adjustment from 50 -75mm at eye piece 10x and 55- 70mm at eye piece 16x.

PSL1 offer a dioptre adjustment for ocular and focus matching. The fore-head rest spring is designed for comfort.



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Portable Slit Lamp

PSL1

Microscope

Eyepiece	10x and 16x
Objective Lens	1x
Total Magnification	10x and 16x
Diopter Adjustment	±5D
Visual Field	10mm
Pupil Distance Adjustment	50-75mm(at eyepiece 10X) 55-70mm(at eyepiece 16X)
Working Distance (WD)	80mm

Illumination

Slit Width	0-Ø10mm
Slit Width	Ø1mm, Ø3mm, Ø5mm,Ø10mm
Filter	Heat-Absorption, cobalt blue, Red-free
Illumination Angle	On the level circumference 30 degree
Light Source	High brightness white LED

General

Dimensions	159mm (W) x 107mm (D) x 231mm (H)
Weight	700g
Battery Type	Rechargeable lithium-ion battery
Rated Capacity	7.4V/680mAh
Operation Time	2 hours (full charge with maximum illumination)
Battery Rated Input	AC 100-240V 50/60Hz
Charging Output	DC 804V/600mA
Electric Shock Protection Type	Internal Battery Type
Electric Shock Protection Degree	Type B

VIEWLIGHT
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NEW Digital
LENSMETER
DLR-800

ANDROID SYSTEMS

VIEWLIGHT
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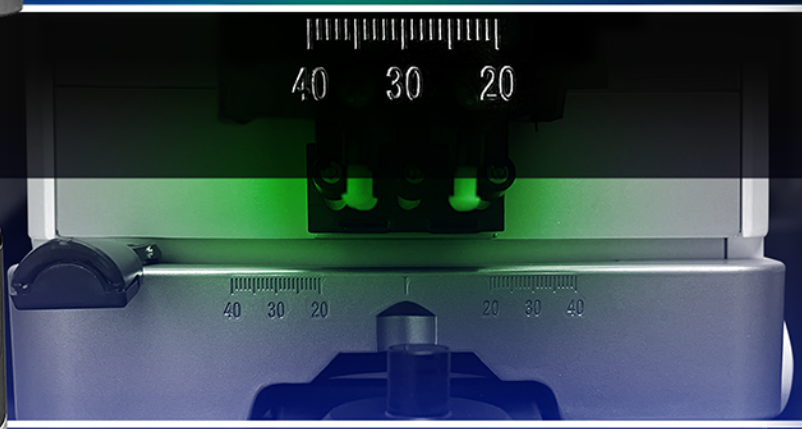
AUTO FOCUS
LENS READER

Optical Intelligence

The NEW DLR-800 is the most accurate digital lensmeter on market today under the hartmann principle. Measures refractive and prism power of the lens of eyeglasses and contact lenses.



Centering Diagram

The DLR-800 features a flexible adjustable lens reader (without the use of ABBE number) with a centering indicator, showcased by diagram marks on the screen to adjust the optical center of lens.

AUTOMATIC
Measurement Range

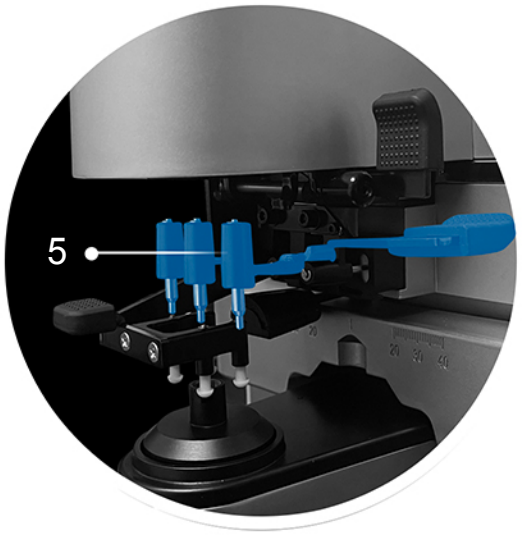
Viewlights's latest digital lensmeter DLR-800 technology serves a wide measurement range (-25D ~ +25D) automatically measure most refraction, astigmatism, prism, progressive bifocal, trifocal, hard and soft contact lenses.

LCD Touch Screen Monitor

The DLR-800 features a 7 inch LCD touch monitor display with full touch panel, designed to view till 110° for user convenience. This HD liquid crystal monitor on which can show the measured data and PD of left and right eyes.

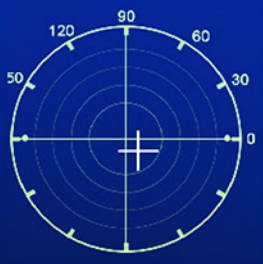
FEATURES:

1. Lens Table Adjuster
2. 110° Tilt Screen
3. Lens Table Knob
4. Thermal Printer
5. Lens Markers



Vision Range Detector

UV & Blue Light

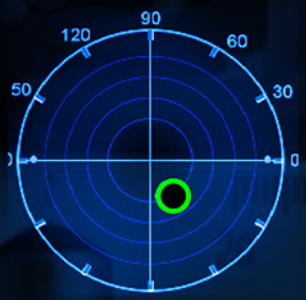


DLR-800 specialized interface measurements and penetration ratio simply and accurately by easy operations and shows a result in the range of 0% to 100% for a various lenses including sunglasses.

Precise Reading

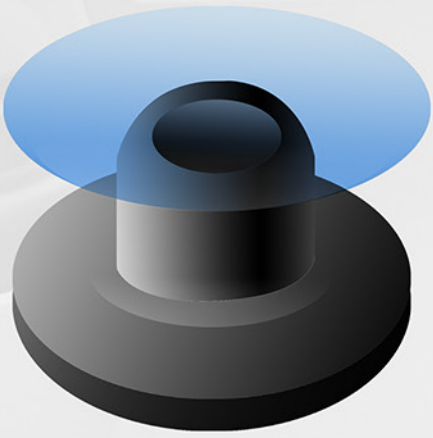
DETECTORS

DLR-800 has a built-in accurate lens detectors readers with a wide measurements of double (triple) vision lens and optical center markers for precise reading. (ink cartridge included). It allows noticeable icons and intuitive familiar GUI for an efficient and flexible operations.



Auto Identification

- Dioptric Profile
- UV Readings
- PD Meter Measurement
- Prism Lens Measurement
- Progressive lens measurement
- Normal lens measurement



ANDROID SYSTEMS

USER FRIENDLY

INTERFACE

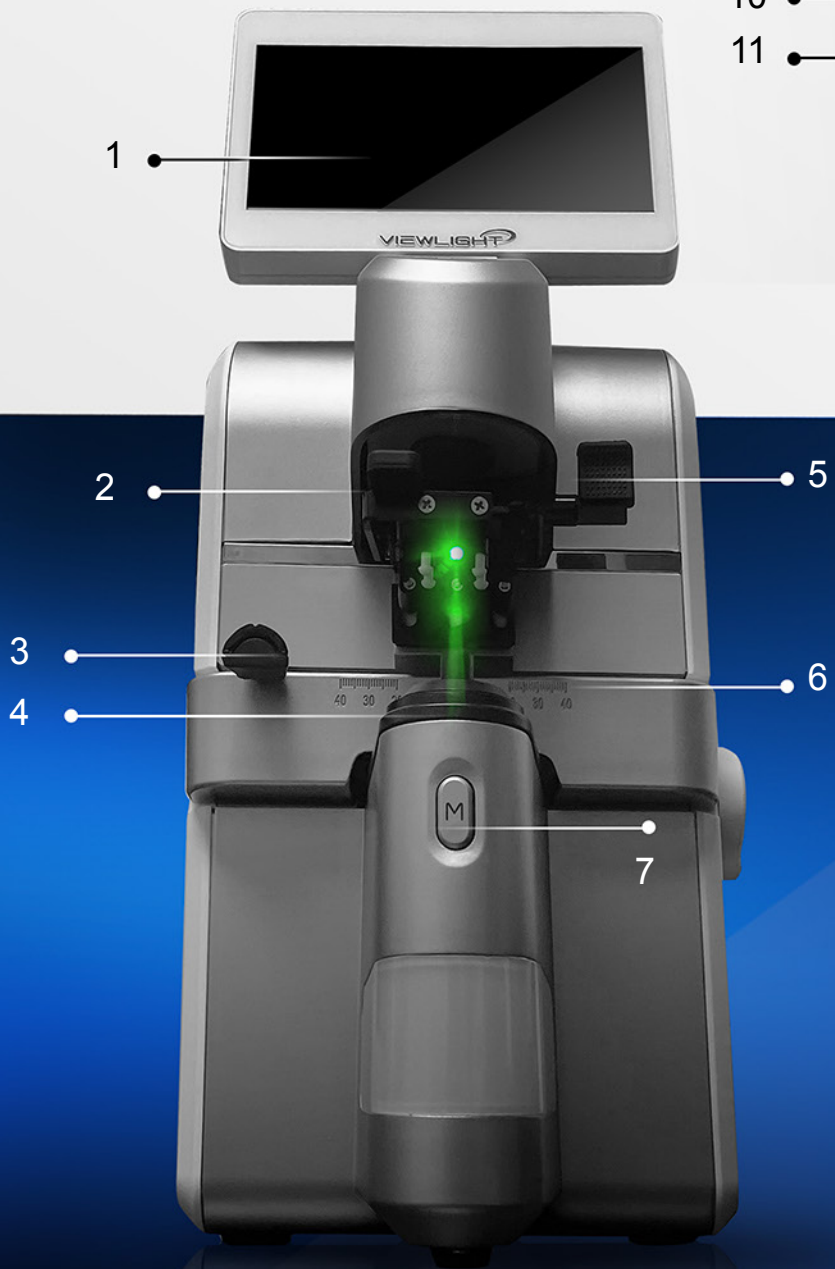
The NEW DLR-800 interface showcases the ability to modify the systems parameter, change any measurement modes, auto saved measuring and printing out all data.

High Speed Printer

All PD measurements Lensmeters built-in high-speed thermal printer, auto memory data saving and replaceable printing paper (included)

DLR-800 - Power Supply

8. ON / OFF Switch
9. Main Power Outlet
10. Computer Connection Port
11. USB Connection Port
12. Device Serial Number



Product Overview:

1. 7” LCD Touch Screen
2. Lens Fixing Frame
3. Side Nose Pad Frame
4. Lens Base
5. Point Button
6. Lens Table & Indicator
7. Memory Switch

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TECHNICAL PARAMETERS

Included

- Lensmeter - 1unit
- Print Paper - 1 roll
- Inkpad Oil - 1 Box
- Dust Cover- 1 Piece
- Power Cable- 1 Piece

Range Measurements

Sphere Power:	0.00D- +25.00D (VD 12mm)
Increment:	0.01/0.06/0/12/0/25D
Cylinder Power: (CYL)	0.00~±10.00D
Increment:	0.01/0.06/0/12/0/25D From: +, ±, -
Axis for astigmatism:	0^0 - 180^0 (1^0 STEPS)
Additional Power:	0.00~+10.00D
Increment:	0.01/0.06/0/12/0/25D
Prism Power:	0.00△-10.00△
Increment:	(0.01/0.12/0.25)cm/m
Prism Basal Angle	0°to 360°
Lens Size:	Φ7 ~110mm
Lens Thickness:	≤20mm
Lens leg thickness:	0~158mm
Range of PD:	30~100mm
Range of PH:	4~55mm
Pupil Distance:	10~80MM
Speed Measurement:	0.2 second
Lens Diameter:	18 to 110mm
Lens Type:	Single lens / Bifocal lens
	Three focal lens / Progressive

Other

Data Out:	RS-232C, USB
Internal Printer:	Thermal Printer
Display:	7.0” LCD Touchscreen Monitor
Resolution:	1024 x 600
Permanent Shock:	10g / 6ms
Oscillate (Sine Curve):	10Hz ~ 500Hz, 0.5g
Power Supply:	AC100~220V 25VA
Power Consumption:	45 ~ 65VA
Dimensions (w) x (d) x (h):	255mm × 212mm × 473mm
Weight:	5.10Kg

FDA

VIEWLIGHT
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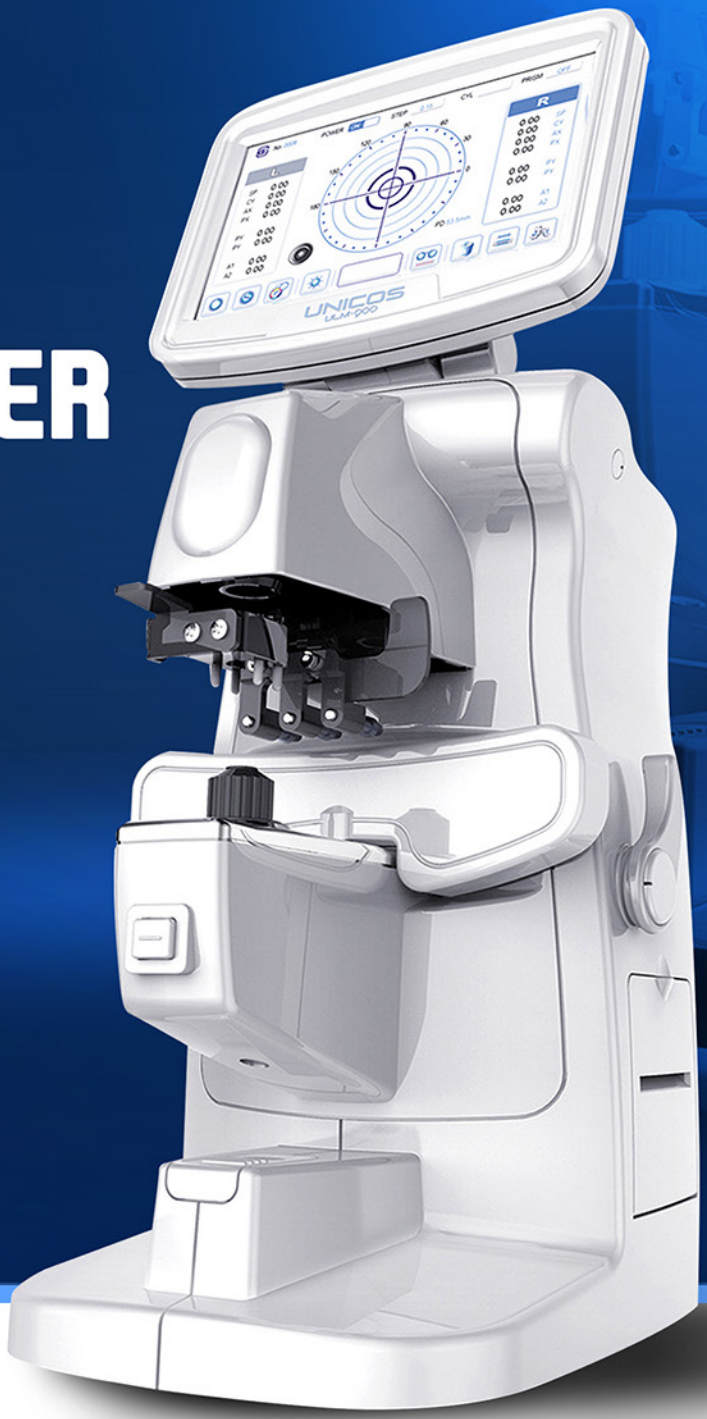
New DIGITAL LENSMETER

ULM-900



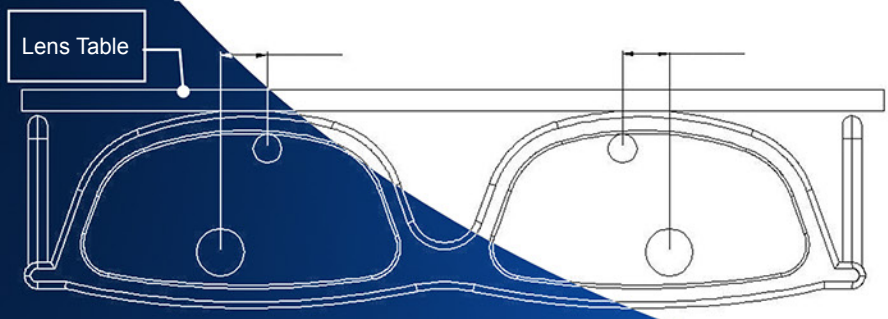
FDA

About ULM-900

The NEW digital lensmeter ULM-900 is designed to measure refractive power and prism power of a lens of eyeglasses and contact lenses, to orientate and mark uncut lenses, and to verify the correct mounting of lenses in glasses frames.

Automatic Detection

A single vision lens or Progressive lens could be detected automatically and switched quickly to corresponding measurement mode to measure various lenses without adjusting ABBE number.

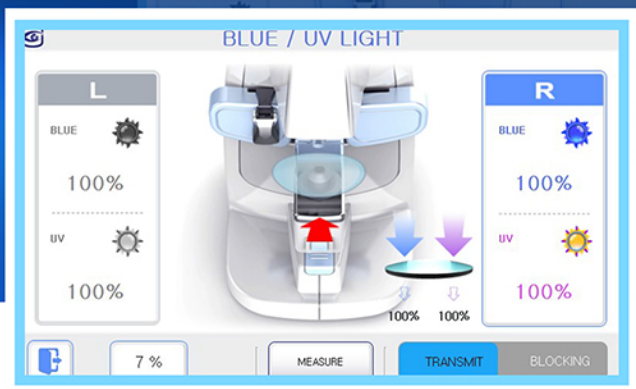


PD & UV Measurements

Digital lensmeter ULM-900 serves a wide measurement range (-25D ~ +25D) automatically measure most refraction, astigmatism, prism, progressive bifocal, trifocal, hard and soft contact lenses.

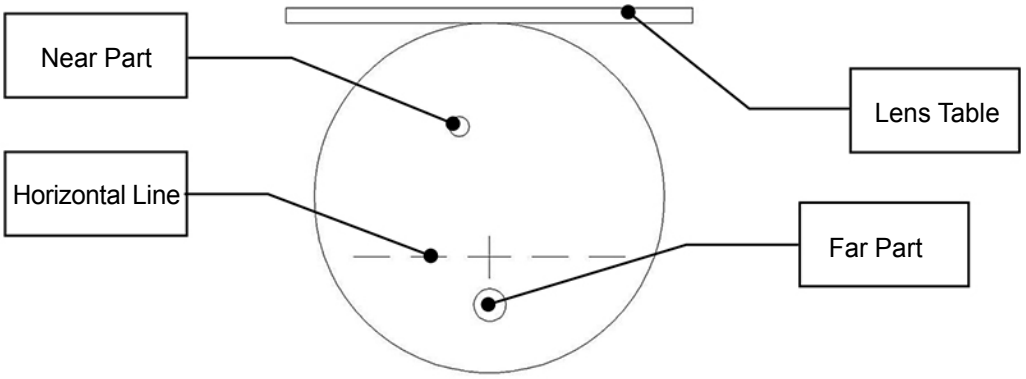
Accurate Range

UV & Blue light measurement and penetration ratio could be measured simply and accurately by easy operations and shows a result in the range of 0% to 100% for a various lenses including sunglasses.



Lens Detectors

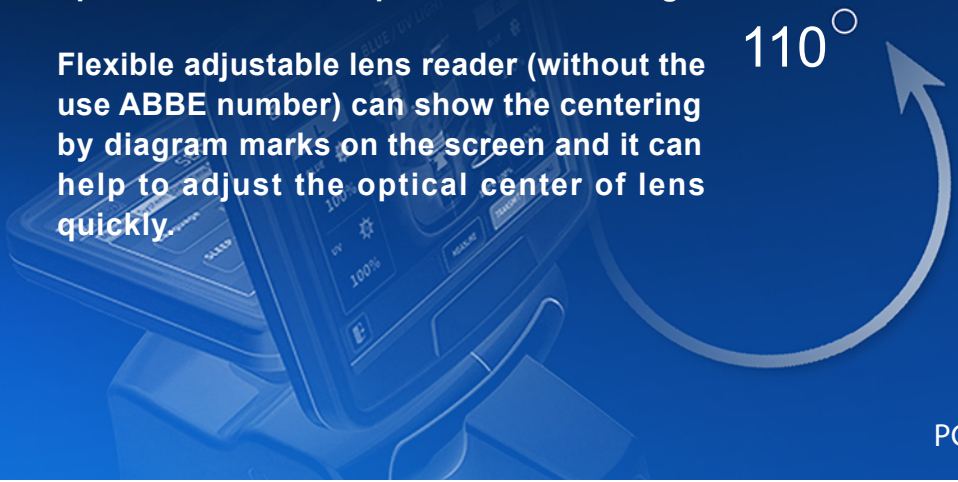
ULM-900 has a built-in accurate lens detectors readers with a wide measurements of double (triple) vision lens and optical center markers for precise reading.
(ink cartridge included)



Ergonomic Design

The ULM-900 features 110° tilted full 7 inch LCD touch monitor display with full-color touch panel, designed to view till 110° for user convenience. It allows noticeable icons and Intuitive and familiar GUI provide an efficient operation without a specialized knowledge.

Flexible adjustable lens reader (without the use ABBE number) can show the centering by diagram marks on the screen and it can help to adjust the optical center of lens quickly.

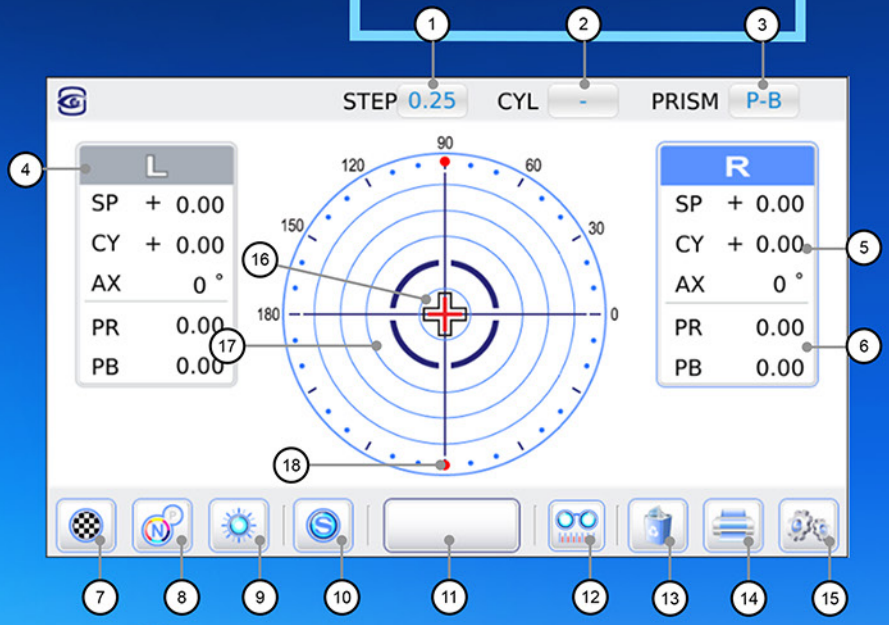


Measurement Interface

The ULM-900 interface showcases the ability to modify the systems parameter to change any measurement modes, auto saved measuring and printing out all data.

Thermal Printer

All PD measurements Lensmeters built-in high-speed thermal printer, auto memory data saving and replaceable printing paper (included)



(1) Indication step
(2) CYL mode
(3) Prism mode
(4) Value Window
(5) SPH power
(6) Prism power
(7) Check pattern screen
(8) Normal/Progressive mode
(9) UV/BL measurement mode
10) Single lens button
(11) Measurment button
(12) PD measurement screen
(13) Initializing button
(14) Print button
(15) SETUP mode button
(16) Prism position
(17) Prism concentric circle
(18) Axis mark

ULM-900

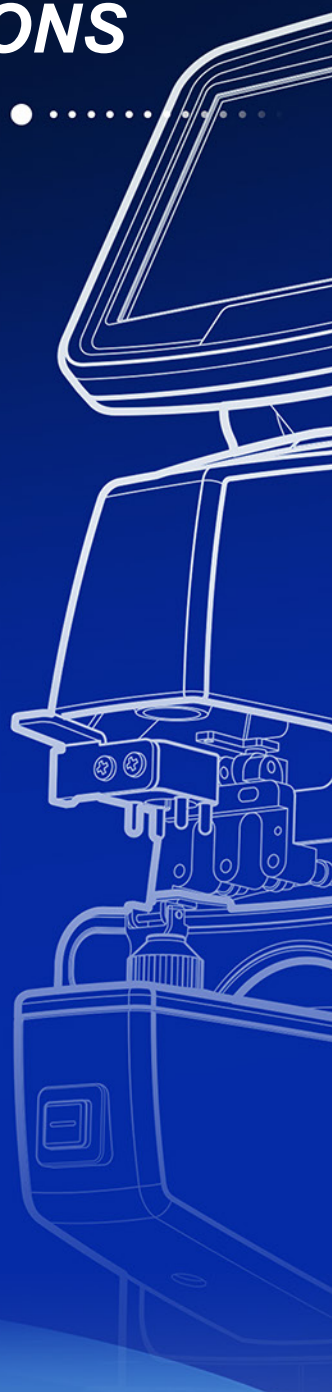
DIGITAL LENSMETER

1. Lens Holder Lever
2. Lens Support
3. USB Connector
4. Power Switch
5. 7” Touch Screen Monitor
6. Lens Fixing Frame
7. Measurement Button
8. Lens Table
9. Read Button
10. Lens Table Lever
11. Thermal Printer

DIGITAL LENSMETER

ULM-900

Product SPECIFICATIONS



Refractometry

- **Sphere Power:** 0.00D- +25.00D (VD 12mm)
  Increment: 0.01/0.06/0/12/0/25D
- **Cylinder Power: (CYL)** 0.00~±10.00D
  Increment: 0.01/0.06/0/12/0/25D From: -/+/+-
- **Axis:** 1^0 - 180^0 (1^0 STEPS)
- **Additional Power:** 0.00~+10.00D
  Increment: 0.01/0.06/0/12/0/25D
- **Prism Power:** 0.00Δ-10.00Δ
  Increment: 0.01/0.06/0/12/0/25D
- **Pupil Distance:** 10~80MM
- **Lens Diameter:** 16 ~ 100mm
- **Lens Type:** Single lens / Bifocal lens
  Three focal lens / Progressive

Other

- **Data Out:** RS-232C, USB
- **Internal Printer:** Thermal Printer
- **Display:** 7.0 inch Color LCD Monitor Touchscreen
- **Permanent Shock:** 10g / 6ms
- **Oscillate (Sine Curve):** 10Hz ~ 500Hz, 0.5g
- **Power Supply:** AC220V 50Hz
- **Power Consumption:** 45 ~ 65VA
- **Dimensions:** 175mm(W) x 255.5mm(D) x 478mm(H)
- **Weight:** 5.25Kg

NEW

Autorefractor & Keratometer

URK-700A

FDA

Product Specifications

About URK-700A

URK-700A features measurement data and various functional program show in color thru a high clear and precise 7 inch Touch Wide LCD Screen. URK-700A covers a wide measurement range, from -25D to +22D.

1. Head Rest
2. Measurement Window
3. Chin Rest
4. Chin Adjuster Lever
5. Touch Screen Monitor
6. Auto Saver / Printer
7. Measurement Button
8. Stage Holding Knob
9. Joystick

Ergonomic **DESIGN**

Automatic Chinrest

URK-700A provides user-friendly environment by adopting smooth curved shape chin rest adjustment height lever to place the patients chin.

Not only the usual refractometry and keratometry, but also corneal diameter and base curve of contact lens can be measured with this one instrument.

URK-700A's measurements of eye, prescriptions for glasses and contact lenses can be made more efficiently.

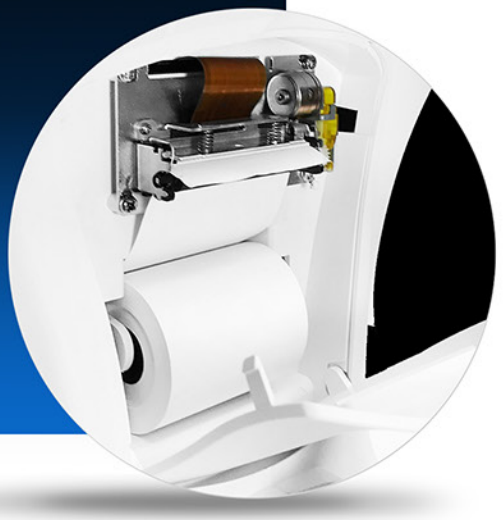
Model Eye

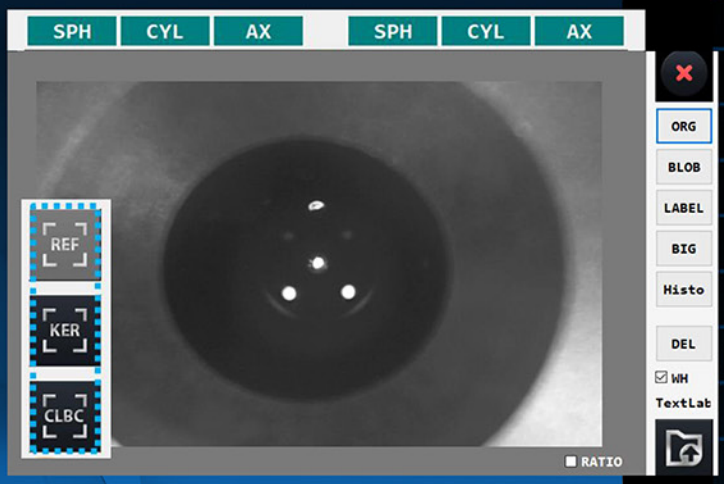
URK-700A offers a ocular imaging eye model which incorporates an anterior chamber, crystalline lens, and fundus. Model provides superior demonstration and training of common ophthalmic imaging devices.

Data Center

Auto Save / Printer

All **URK-700A** test result are transferred to it's built-in high-speed thermal printer, auto memory data saving and replaceable printing paper. (included)





Communication Interface

- Effective Management of Measurement Data
- Support Various Mode of Measurements
- VD (Vertex Distance) results
- Displays SPH, CYL., AXIS, R1, R2, A2
- Illumination Sensor
- Convenient PD Measurement (Pupil Distance)
- Automatic Chinrest with Adjusting Mechanism
- Multi Levels Locking System

Electrical Sources

1. USB Connector
2. RS-232 Connector
3. Power IN LET
4. Fuse: TA2H 250V

Product
SPECIFICATIONS

Accessories Included:

Power Supply Cable
Model Eye
Printing Paper
Dust cover
Product Manual

Refractometry

Vertex Distance(VD)	0.0 , 10.0, 12.0, 13.5, 15.0mm	
Sphere(SPH)	-25.00 ~ +22D (VD 12mm)	Unit : 0.12 / 0.25 D
Cylinder(CYL) Axis(AX)	0.00~±10.00D	Unit : 0.12 / 0.25 D
Cylinder form	1~180	Unit : 1
Pupil Distance(PD)	-, +, MIX	
Minimum Pupil	10~85mm	
Diameter	Ø 2.0mm	

Keratometer

Radius of Curvature	5.0~10.2mm	Unit : 0.01mm
Corneal Power	33.00~67.50D	Unit : 0.12/ 0.25 D
Corneal Astigmatism	0.00~-15.00D	Unit : 0.12/ 0.25 D
Axis	1~180	Unit : 1
Corneal Diameter	2.0~12.00mm	Unit : 0.01mm

Other:

Storage Memory	10 measurement each eyes
Internal Printer	Thermal printer
Display	7.0 inch TFT COLOR LCD Monitor, Touch
Chin rest movement	Max 65mm
Power supply	AC100V ~ 240V, 50/60Hz
Power consumption	60 - 90VA
Dimension	248mm(W) x 476mm(D) x 473mm(H)
Weight	21kg

NEW

Auto Refractor & Keratometer

URK-800A

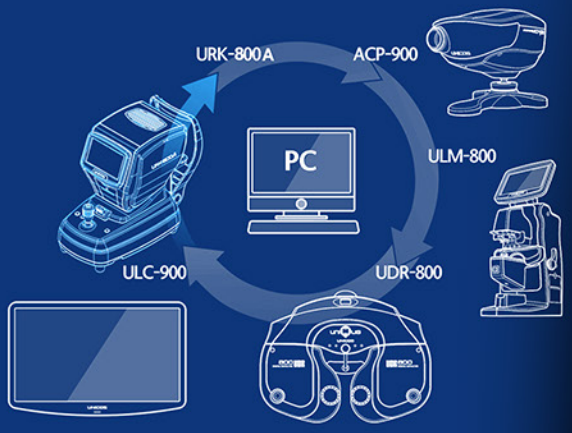
Sold ONLY in Latan Market

PRODUCT
URK-800A

The Smart autorefractor keratometer URK-800A is the new generation of ophthalmic equipment featuring an illumination sensor, focusing navigator, multilevel dial types, extremely rapid automatic measurements and highly accurate data.

EASY
CONNECTION

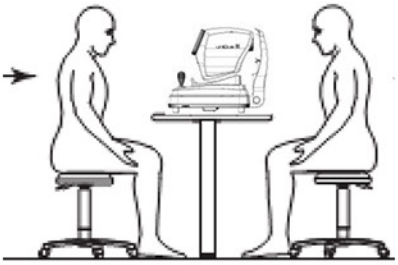
WITH OTHER
DEVICES



DIOPTRIC
MEASUREMENTS

URK-800A covers a wide measurement range, from -25D to +22D, even an examinee with strong myopia can be measured.

DISTANCE
CONTROL



Safe patient environment (follow COVID-19 regulations) wear a face mask while operating and in direct contact between the patient or the operator and third person.

ILLUMINATION
SYSTEM

Features a well developed illumination system able to observe eye condition of the cataract or contact lens surface. It is able to save 2 images of each eye and continuous observation.

URK-800A

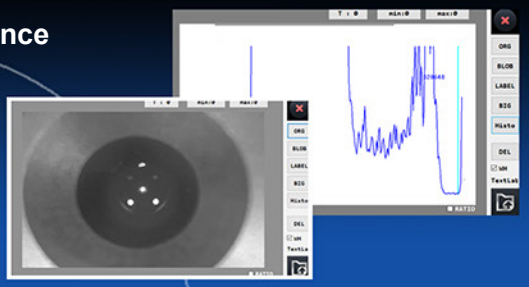
AUTO REFRACTOR & KERATOMETER

Vertex Distance

PD Measurements

Intraocular Lens Mode

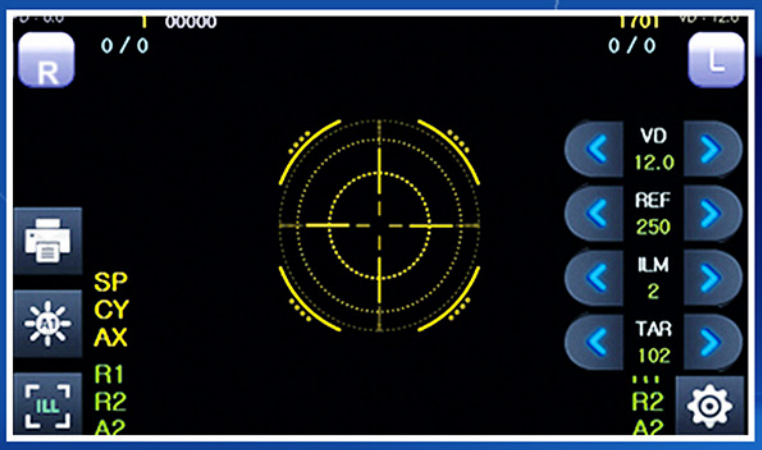
Measurement Value



Convenient User MENU SETTING

The operator may alter set-up easily and faster by an unique design.

It may measure periphery of cornea both horizontally and vertically from the center of cornea to get curvature and eccentricity value of all points. It may allow the best fitting for contact lenses.



Retina illumination

Built -in TECHNOLOGY

Measured RESULTS

Recognizing of measurement
MODE, DATE, AVERAGE VALUE

PRINTER

Quick and Automatic

The printing paper with data is cut automatically with high speed.

OTHER FEATURES

URK-800A measure the periphery of cornea both horizontally and vertically from the center of cornea to get curvature and eccentricity value of all points. It may allow the best fitting for contact lenses.

LANGUAGES

Supports up to 10 languages:

Chinese, English, German Italian, Japanese, Russian Portuguese, Spanish Korean, and French

ECC

KER

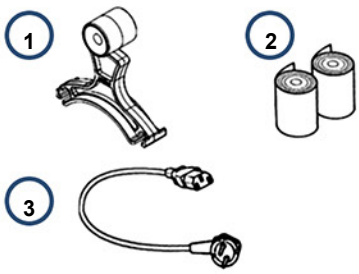
Diop

Color

PRODUCT OVERVIEW

1. Head Rest
2. Measurement Window
3. Height Lining mark
4. Adjustable Chin Rest
5. 8” Touch Screen Monitor
6. Thermal Printer
7. Measurement Button
8. Joystick
9. Stage Holding Knob
10. Chin Rest Up/Down Button
11. Print Button
12. Power Switch

ACCESSORIES (Included)



1. Model Eye
2. Printing Paper
3. Power Supply Cable

URK-800A

AUTO REFRACTOR & KERATOMETER

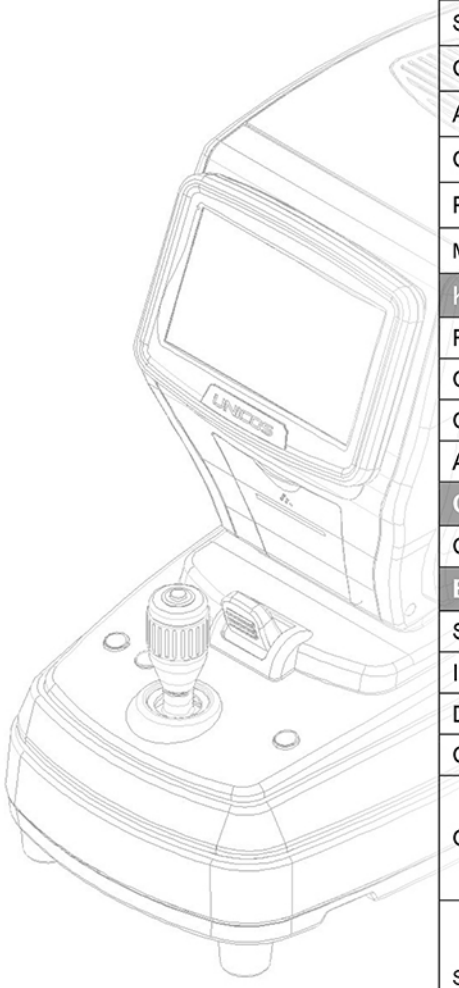
ACCURATE DATA

URK-800A is designed with an image chip, to allow REF measuring speed to be faster to get a more accurate and stable measurement data.

VIEWLIGHT
POWERED BY INNOVATION

URK-800A
AUTO REFRACTOR
& KERATOMETER

PRODUCT SPECIFICATIONS:



Refractometry		
Vertex Distance(VD)	0.0 , 10.0, 12.0, 13.5, 15.0mm	
Sphere(SPH)	-25.00 ~ +22D (VD 12mm)	Unit : 0.12 / 0.25 D
Cylinder(CYL)	0.00 ~ ±10.00D	Unit : 0.12 / 0.25 D
Axis(AX)	1 ~ 180°	Unit : 1°
Cylinder form	-, +, MIX	
Pupil Distance(PD)	10 ~ 85mm	
Minimum Pupil Diameter	Ø2.0mm	
Keratometry		
Radius of Curvature	5.0 ~ 10.2mm	Unit : 0.01mm
Corneal Power	33.00 ~ 67.50D	Unit : 0.12/ 0.25 D
Corneal Astigmatism	0.00 ~ -15.00D	Unit : 0.12/ 0.25 D
Axis	1 ~ 180°	Unit : 1°
Corneal Diameter		
Corneal Diameter	2.0 ~ 12.00mm	Unit : 0.1mm
ETC.		
Storage Memory	10 measurement each eyes	
Internal Printer	Thermal printer	
Display	7.0 inch TFT COLOR LCD Monitor, Touch	
Chin rest movement	Max 65mm, electrical movement	
Operation environment	Temperature : +10℃ ~ +40℃ Humidity : 30% ~ 80% RH Atmospheric pressure range : 70 kPa ~ 106 kPa Shock (without packaging) : 10g / 6ms	
Storage and Movement environment	Temperature : +10℃ ~ +55℃ Humidity : 10% ~ 90% RH Atmospheric pressure range : 50 kPa ~ 106 kPa Shock : 30g / 6ms Permanent shock : 10g / 6ms Oscillate(sine curve) : 10Hz ~ 500Hz, 0.5g	
Power supply	AC100V ~ 240V, 50/60Hz	
Power consumption	60 - 90VA	
Dimension	275mm(W) x 525mm(D) x 450mm(H)	
Weight	18kg	

FDA

VIEWLIGHT
POWERED BY INNOVATION

Digital Phoropter
UDR-800

LCD Monitor
Included

FDA

Eco Firendly Design

New anti-biotic material UDR-800 Digital Phoropter may judge the abnormal condition of the eye and may give specific figures for prescriptions that subjective refractometry may not be able to offer,

Accurate Measurements

Lens operation is speedy, and consecutive operation of jog shuttle does not skip any data, allowing more accurate and prompt vision test possible.

Monocular PD measurement

It supports short distance PD (45 ~ 75mm) and short distance work (35 ~ 70cm) to make a reliable near-distance Convergence Test.

Auto-Shielding Functions

To minimize interruption for control power, an auto-shielding function works, when a lens more than ±0.5D operates.

Product Overview

Ensures faster restarting time, faster lens change and a reduced operating noise.

1. Horizontal Controller
2. Forehead Prop
3. Face Protector
4. Test Window
5. Lever
6. Near Vision Vision Chart Bar
7. Forehead Fixing Dial VD Control Dial
8. VD Test Window

Near-Distance Vision Chart

Offers a distance visual acuity chart to measurement your degree of vision loss. Simply insert the vision chart bar to the UDR-800, while testing the smallest object that you can recognize.

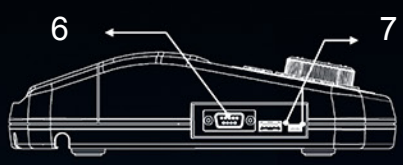
8” Touch screen LCD Monitor

8” TFT COLOR LCD features high-definition clear UI and various image for each function. Also improves data recognition for accurate visual test.

Short Key and Simplified Buttons

UDR-800 navigation buttons are minimized to 26 buttons designed to operate the necessary functions by means of Dials on Operation panel, Key pad button and the buttons on touch screen. Features a Locking system function, Prismoff, Auxoff function, External data representation and Touch masking function.

1. 8” Touch Screen (High Resolution)
2. Menu and Print Selections
3. Binocular Eye selection measurements
4. Jog Dial (Change the lenses value)
5. Masking Functions (Visual Chart)
6. RS-232 Port
7. USB Port



Convenient Output

UDR-800 monitors assist all files through USB port transfer and fast real-time guide. Also, this device includes a embedded printer, where you can print all your test result.

Tilting & Reversal Monitor

LCD monitor offers an advanced mobility system to accomodate all enduser with a reverse functions and can be used either by tilting or swiveling up to 240°.

Data Transmission

UDR-800 monitor inputs all eye-test information without lens operation, and offers PRESET function that put in the lenses at once.

Unit Test

- UDR-800 supports **30 system unit tests** in total.

- Near Vision Acuity With Addition
- Near Point Of Convergence Test
- Near Point Of Accommodation Test
- Near Point Addition Test Using Cross Grid
- Negative Relative Accommodation Test
- Positive Relative Accommodation Test
- Negative Relative Convergence Test
- Positive Relative Convergence Test
- Test Of Cylinder Power
- Test Of Cylinder Axis
- Red/Green Test
- Cross Cylinder Test-power Test
- Cross Cylinder Test-axis Test
- Cross Grid Test (Ver2.00 And Over)
- Horizontal Maddox Rod Test
- Vertical Maddox Rod Test
- Binocular Balance Test At Polarized Light Duochrome Balance
- Worth 4 Dots
- Schober Horzontal and Vertical Test
- Horizontal and Vertical Coincidence(Aniseikonia)
- Horizontal and Vertical Phoria Test Without Fixation
- Minute Stereo : Minute Stereo Acuity Test
- Horizontal and Vertical Von Graefe Test

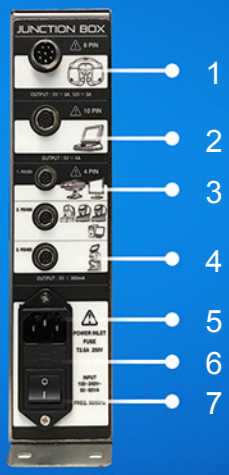
Networking System

UDR-800 could be connected with 20 competitor's products. Features a buit-in Interface with Lensmeter Ref/Keratometer, Chart Projector, and LCD Projectors.

1. Ref / Keratometer Terminal
2. Operation Monitor Terminal
3. ACP-700 Terminal
4. URK-800 Terminal
5. Others Instrument Terminal
6. AC Power | Fuse (250 V)
7. Power Switch

Junction Box - Wireless system by Bluetooth

UDR-800 | ACP-900 | URK-SERIES | ULM-800A



ALLEGRO
Refraction Unit
(Optional)

MADE IN USA

VIEWLIGHT
POWERED BY INNOVATION

Product Specification:

■ Measuring Range

Spherical Lens	-29.00 ~ +26.75D (Regular) -19.00 ~ +16.75D (Cross Cylinder, Prism Test) (Step: 0.12D / 0.25D / 0.5D / 1D / 2D / 3D) 0.00 ~ 8.75D (Step: 0.25D / 0.5D / 1D / 2D / 3D)
Cylinder Lens	0 ~ 180° (Step: 1 / 5 / 15 / 30 / 45°)
Cylinder Axis Pupil Distance	Far: 48 ~ 80 mm (Step: 0.5 / 1.0 mm)
	Near: 45 ~ 75 mm (Step: 0.5 / 1.0 mm)
Working Distance	35 ~ 70 cm (Step: 5 cm)
Rotary Prism	0 ~ 20 (Step: 0.1 / 0.2 / 0.5 / 1 / 2)
Cross Cylinder	Jackson Cross Cylinder 0.25D Jackson Cross Cylinder 0.50D Dual Cross Cylinder
Retinoscopy Lens	+1.5D, +2.0D (Test Distance 67cm, 50cm)

■ Specifications

Body	362(width) * 83(depth) * 300(height)mm,
	3.5 kg 215(width) * 230 (depth) * 226(height) mm,
Controller	1.5 kg 266(width) * 60(depth) * 239(height) mm,
Junction Box	1.0 kg AC 100 ~ 240V, 50 / 60Hz
Power Supply Power Consumption	60 - 95VA

■ Auxiliar Lens

Open/Close Lens	Open / Close Select
Pin Hole Lens	Φ 1mm
Moddox Rod	Right eye (horizontal red), Left eye (vertical red)
Red/Green Filter	Right eye (red), Left eye (green)
Polarized Light Filter	Right eye (135°, 45°), Left eye (45°, 135°)
Separating Prism	Right eye (6 BU), Left eye (10 BI can be added to 0~5)
PD Test Lens	On / Off Select
Fixed Cross Cylinder Lens	Jackson Cross Cylinder 0.50D, Axis fixation 90°
Vision Degrees	32°

FDA

new DIGITAL PHOROPTER

UDR-800P

Tablet PC - *Android*

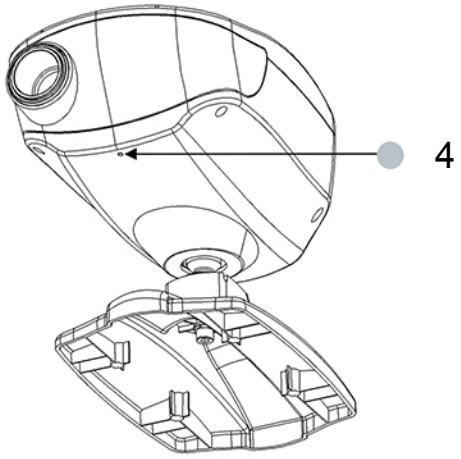
8” Operation Panel

Product Upgrade

- Provides effective measurement to user by PAD
- Apply intuitive UI to make aprompt measurement.
- Non-contact measurement valid by WIFI connection.
- Compatible with UDR-800A
- Apply “Visual Analytic Examination test (21pcs test, autamtic program)
- Possible to use both Tablet PC and operation panel.

NEW CHART & PROJECTOR

ACP-900



Streamlined Shape Design

With its attractive streamline design, the ACP-900 is guaranteed to fit in within any practice.

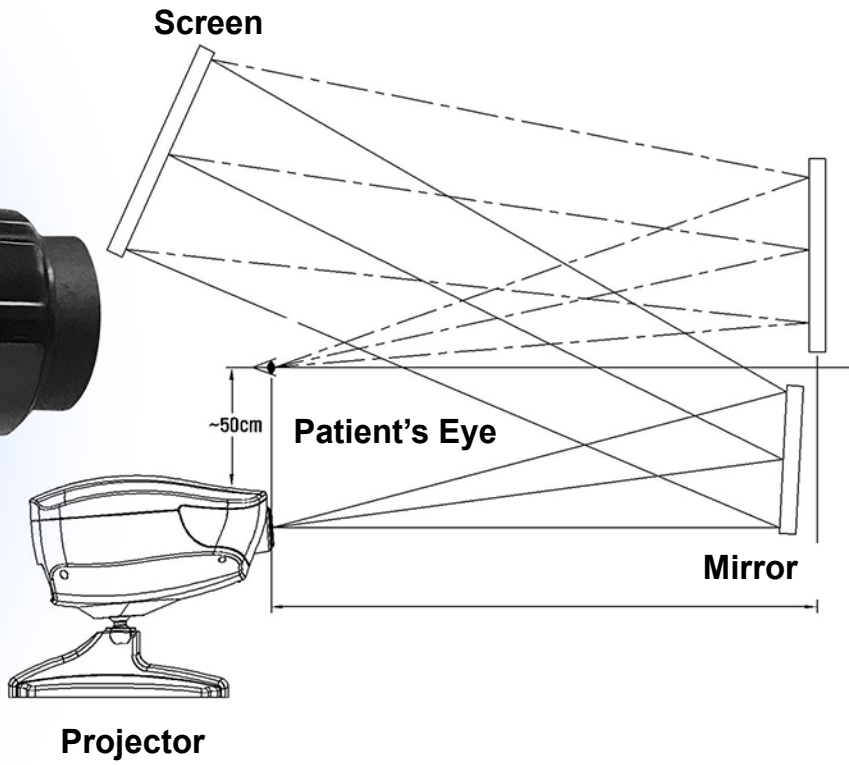
1. Projection lens / Focusing wheel
2. Receiving window
3. Table stand
4. Pilot Lamp
5. Power On/Off Switch
6. AC Power Inlet
7. Fuse Holder
8. Angle Adjuster
9. RS-232 Port

Three Dimensional Alignment

The ACP-900 projector is optimized when the projection screen is angled to direct light to the patient's head. Place a mirror on the screen. The light should project where the patient's head would be.

Refraction Distance

Position the instrument at the same distance from the screen to the patient within the range between 2m and 7m. To obtain longer refracting distances in small rooms, a mirror or systems of mirrors can be displayed. In this case, a high quality front surface mirror is required.

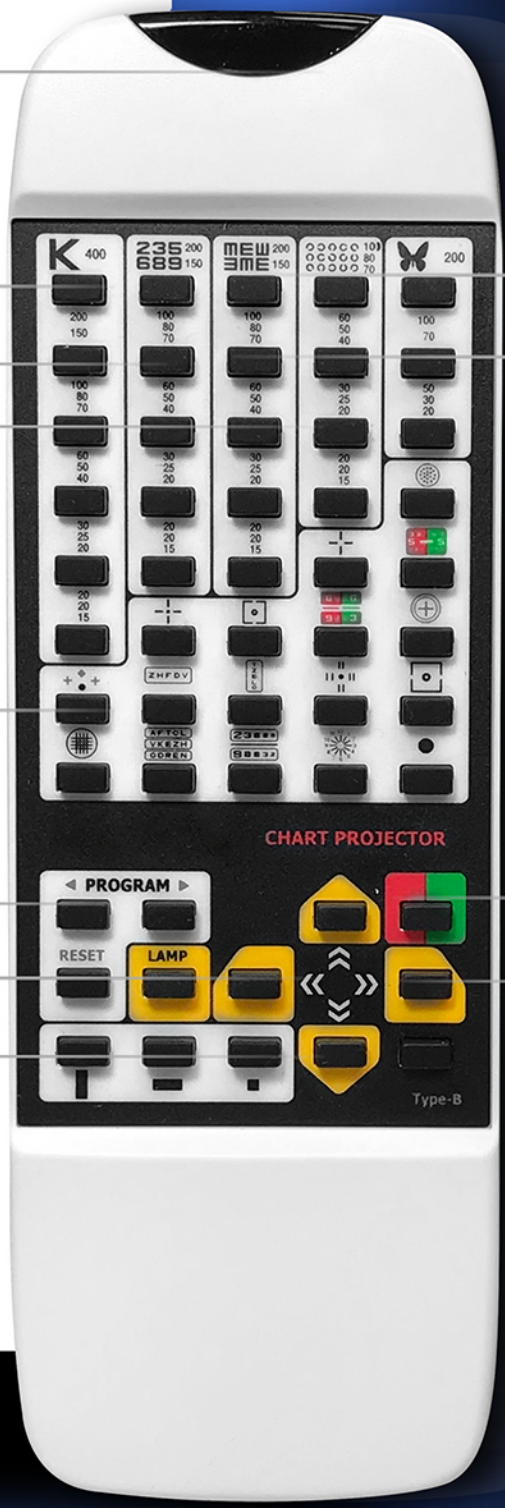


Remote control

ACP-900 Features a wireless control interactive iOS applications to control the functions for the chart system.

Specifications

1. Inflated ray transmitter
2. Letters chart
3. Number chart
4. Snellen chart
5. Program
6. Lamp ON/OFF
7. Vertical, horizontal line, single Letter Masking
8. Children chart
9. Landolt chart
10. Function chart
11. Red/Green Test
12. Direction



About ACP-900

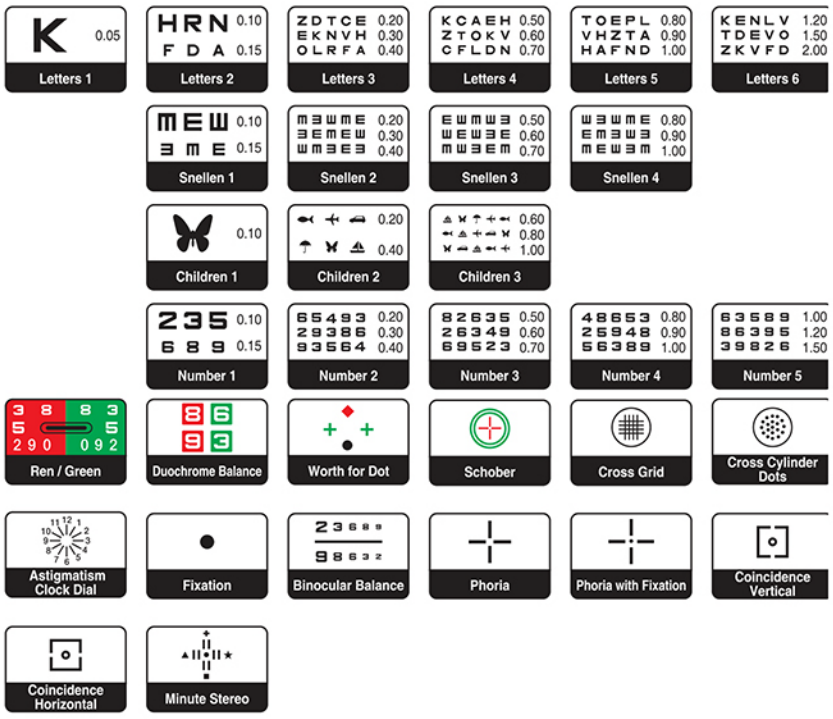
Viewlight's auto chart projector **ACP-900** is the most advanced measuring visual acuity in the market. Features 41 different charts including red/green and polarized filters for the eye optometry.

LED Light Source

ACP-900's advance acuity chart projector is used for displaying letters or icons onto the wall for patients to read. Viewlight USA features a semi-permanent lifetime LED light source that's brighter and clearer than conventional bulb light.

Chart Variations

The ACP-900 offers 4 chart types refracting distance from the patient's eye to the screen. A Type - Fraction Indication B Type (Feet Indication) C Type (Meter Indication) D Type (For Russians)

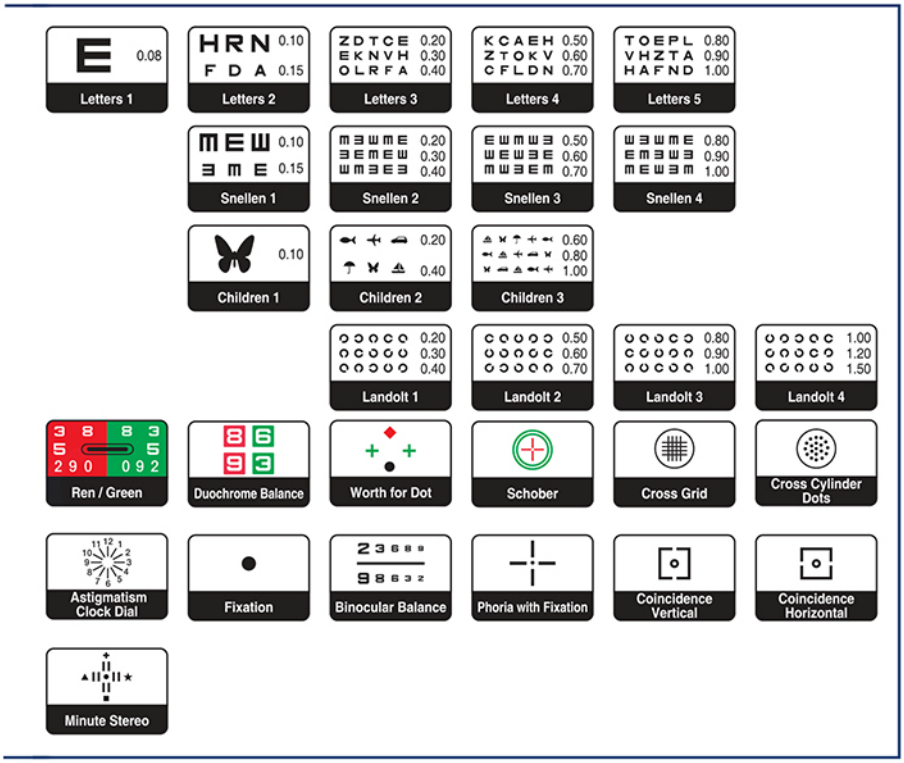


Refraction Units - *Optional*

Viewlight offers an optional advanced ophthalmic examination units designed with digital touch control panel, LED lamp, projector support, and counter balanced phoroptor arm for easy access. Also available, a luxurious,comfortable inclination chair with oversized headrests, controlled footswitch and large two device working tables.

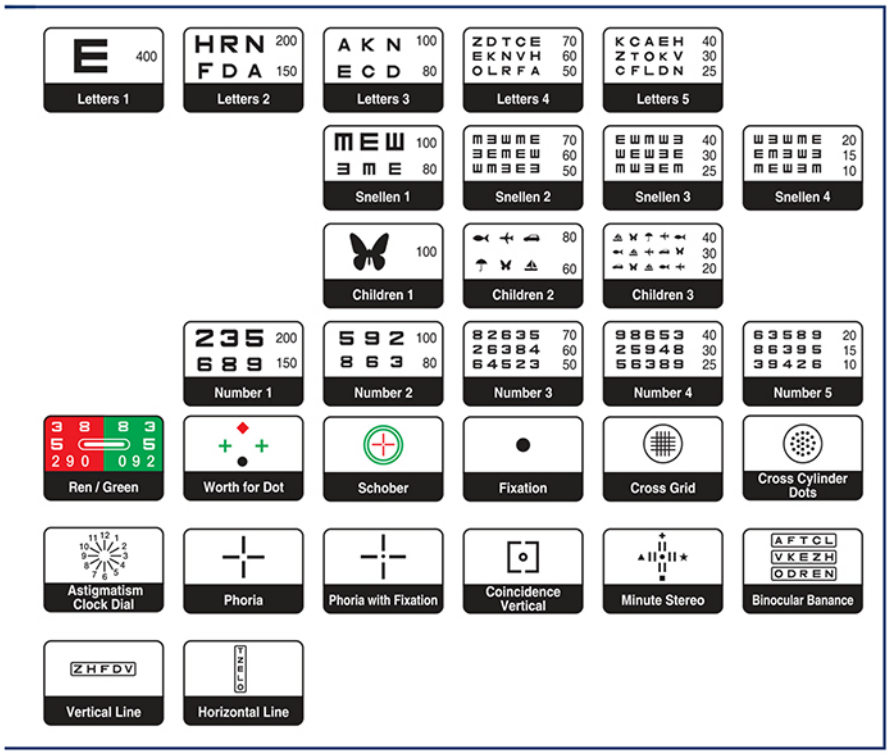
B TYPE

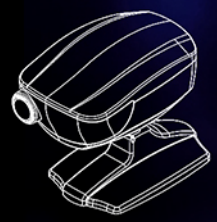
- LETTERS
- SNELLEN
- CHILDREN
- LANDOLT
- FUNCTION



C TYPE

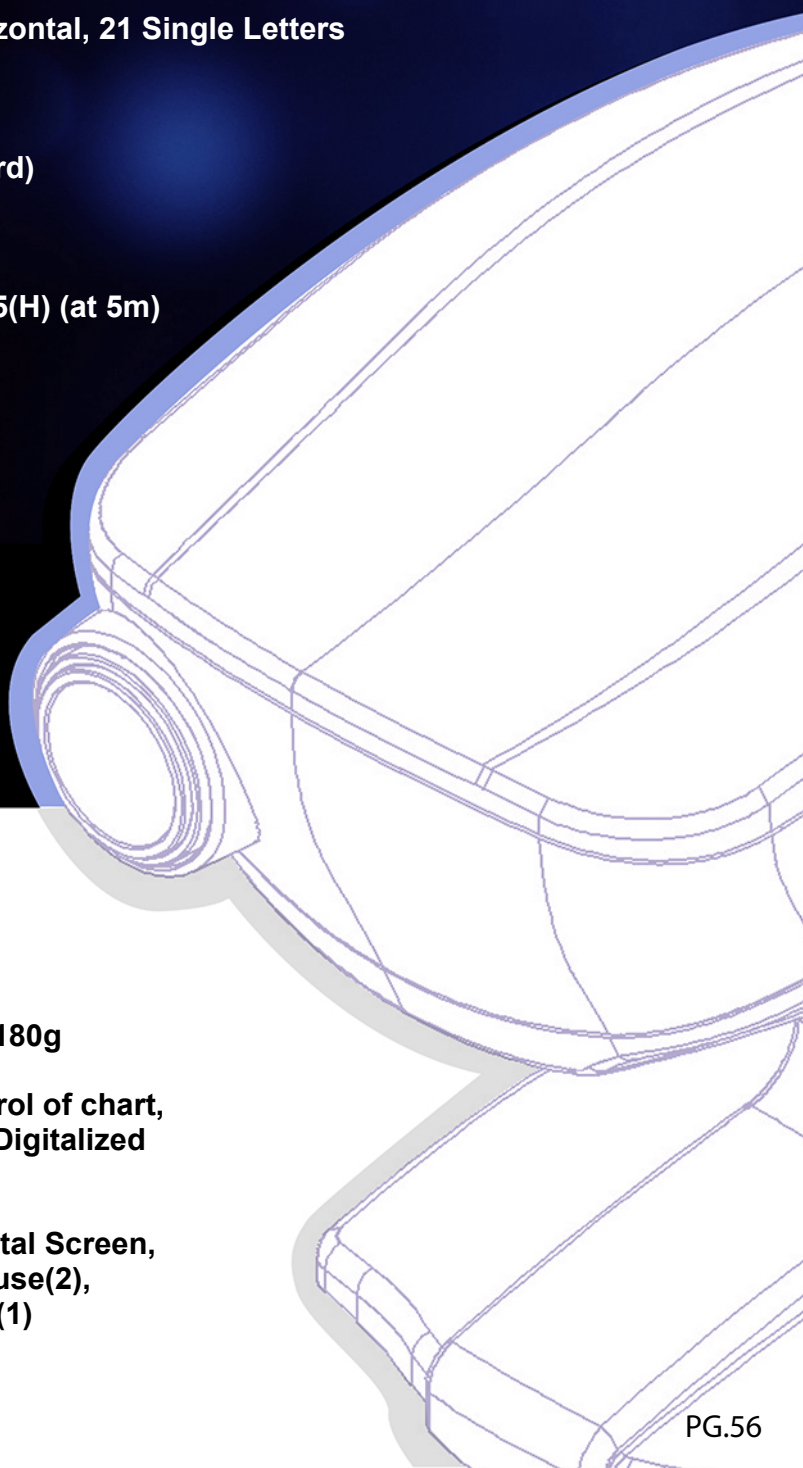
- LETTERS
- SNELLEN
- CHILDREN
- NUMBER
- FUNCTION





Product Specifications:

- **Chart** 41 pcs
- **Selection Speed** Average 0.3 sec
- **Mask** 1 Open, 3 Vertical, 3 Horizontal, 21 Single Letters
- **Filter** Red/Green
- **Proj. Distance** 2.0 ~ 7.0 m (3m is standard)
- **Proj. Magnification** 30 X (at 5m)
- **Proj. Size** 252 mm and 330(W) X 225(H) (at 5m)
- **Tilt Angle** Ball Joint (±10°)
- **Lamp** LED Lamp
- **Power Supply** AC 100 ~ 240V, 50/60 Hz
- **Power Consumption** 80 VA
- **Auto-Off Function** 5 ~ 10 minutes after



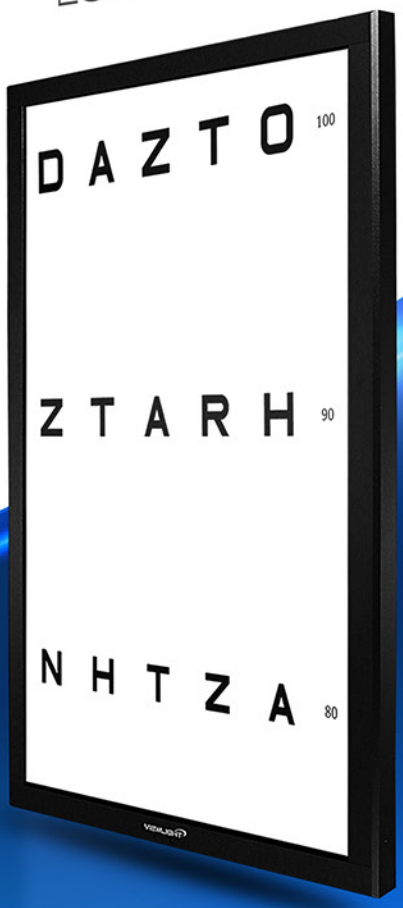
- **Dimension** 165.7(H)X188(W)X300(D)
- **Weight** 3.44 Kg
- **Remote Controller** 20(H)X64(W)X195(D)mm/180g
- **Interface** 8 pin Connector for Control of chart, mask and R/G filter by a Digitalized Refractors controller
- **Accessories** Dust Cover, Polarized Metal Screen, Polarized Glass, Spare Fuse(2), Batteries(2), Spare Lamp(1)

FDA

Interactive View Chart
SERIES

LCD-2400

LCD-3200



Interactive View Chart

LCD-2400

- Bluetooth network allows the View Chart Series users to handle all optometry with one single application. User control the chart and phoropter with both Android & iOS systems.

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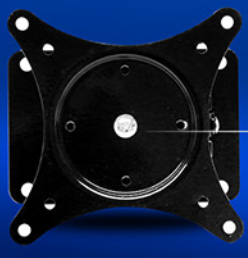


5

Bluetooth Communication

Wireless Communication

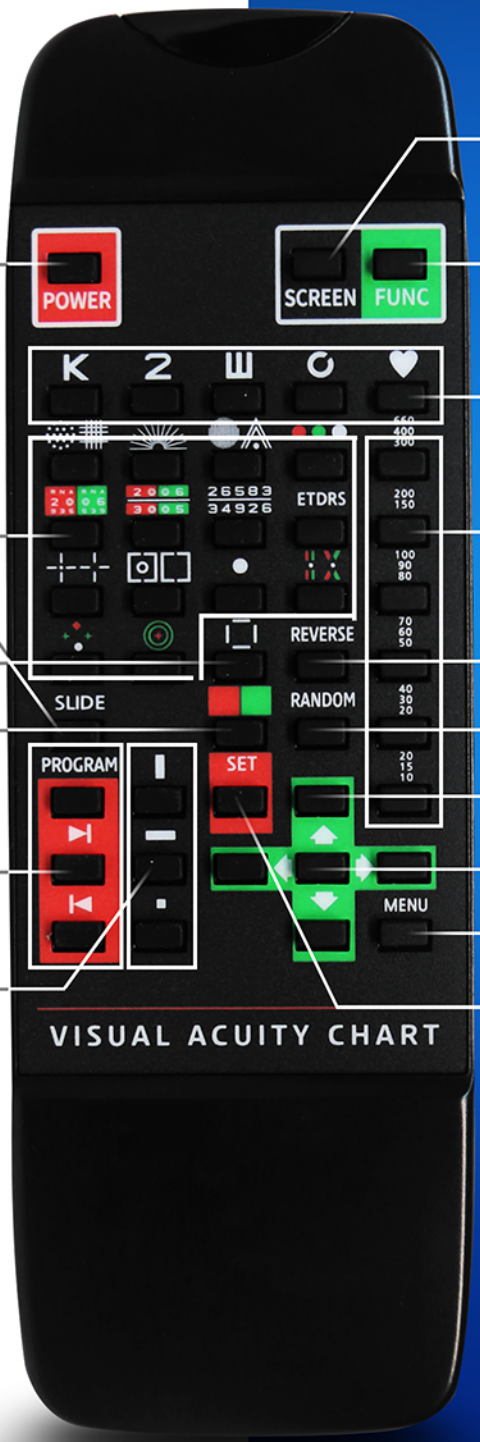
Product Display

1. 24 inch LCD Screen
2. LCD Stand Mount
3. Ethernet, USB, Serial Ports
4. Main Remote Control
5. Wall Mount Bracket

LCD Series

Remote Control

LCD series chart & projector includes a compact, easy remote control, displaying the charts in the palm of your hand. LCD remotes connects via Wifi, eliminating the line-of-site and or out-of range limitations of other systems.



Power ON / OFF

Special Chart Selection

Image Slide Function

Crowding Mask

Red / Green Mask

Program Function

Mask Selection

Screen ON / OFF

Changing Chart

Fast Chart Selection

Adjusting Screen Size

Screen Reverse Function

Random Chart

Direction Movement

Adjusting Configuration

Menu Function

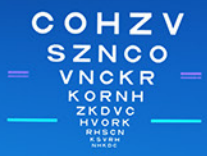
Set Function

Features:

- LCD-2400 has the patent of 24-inch digital chart and it gives the widest measurement range for patients and variable charts with accurate result. System runs with Windows CE 6.0 OS.
- Random Function: Its random function helps examiners to diagnose the patients, it also maximize the precise testing result by automatically changing numbers and letters on the chart.
- Contrast Sensitivity Adjustment: LCD-2400 system helps examiners to do the visual acuity test for Cataract patients by using contrast sensitivity adjustment. It can be adjusted 6 steps (100% → 50% → 25% → 12% → 6%→ 3%) or it also can be chosen 1%
- R/G Filter for Color Depth Adjustment: LCD-2400 system enables a user to adjust to R/G filter concentration from the 0 to the 256 steps. It applies to all kinds of R/G chart Program Mode.
- Astigmatism Axis Adjustment Function: LCD-2400 system's adjusting astigmatismaxis function gives convenient environment to diagnose astigmatism test.

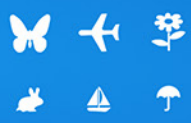
LCD-3200 is the visual acuity chart system run by WINDOW CE 6.0 OS. Its chart can be easily changed by simple remote control.

Color Anamaly Charts are designed to to test your color-blindness and color weakness.

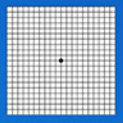


ETDRS - Early Treatment Diabetic Retinopathy Study. Contrast sensitivity testing with normative data using letters, patented bullseye or linear patterns.

Astigmatic Test measures 7 kinds of clocks dials rotating step by step by using the up/down remote features.



LCD 3200 system has extensive animation functions which stimulate the children to concentrate during the test. The children chart consist of multiple traditional figures.



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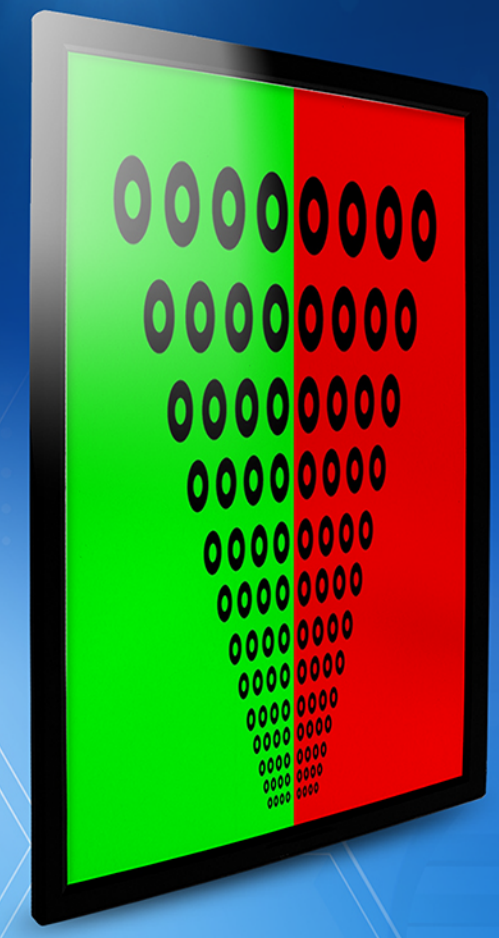


LCD-2400

Interactive View Chart

Measurements

Display:	24 inch WUXGA LED Backlight
Active Display:	(W) 20.4 x (H) 12.8 inch
Resolution:	1920 x 1200 pixels
Brightness:	Max 350 cd / m^2
View Distance:	2.0 m ~ 6 m (0.25 step adjustment)
Memory Type:	Solid State Disk 32G
Power:	AC 110V ~ 220V, 50/60Hz
Power Consumption:	Less than 180W
Power Supply:	DC 12V 5A
Dimension / Weight:	(V) 800 X (H) 478 X (T) 90 mm / 17 Kg
Dimension / Weight: (Remote Control) :	(V) 128.5 X (H) 26.5 X (T) 11 mm / 45g
Control:	Remote Control or serial communication
Dimension / Weight:	(V) 800 X (H) 478 X (T) 90 mm / 17 Kg

Technical Specs

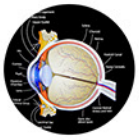
Operating System:	Windows CE Embedded Type
Processor:	Amlogic ARM Cortex - A53 (ARMv8) 1.5Ghz QuadCore | Mali -450 MP2 GPU (OpenGL ES 2.01/1.1)
External Interface:	USB 2.0 port, HDMI 1 port
Compatibility:	USB 2.0 Port
Multi-control channel:	4x USB, 1x RS-232, lx Ethernet)10/100)

Interactive View Chart

LCD-3200

Bluetooth Communication

Wireless Communication

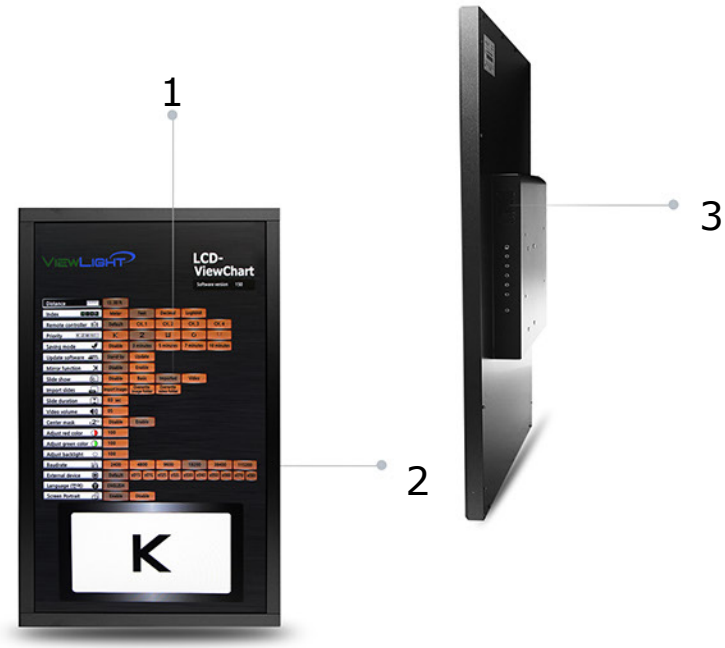


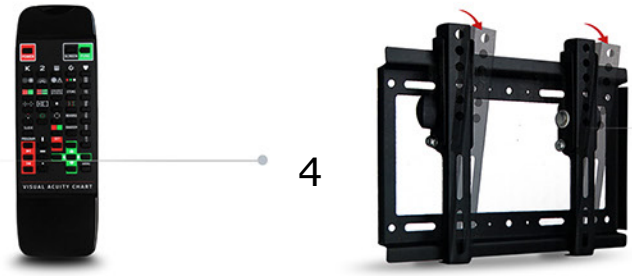
Information about Eye Care

Bluetooth network allows the View Chart Series users to handle all optometry with one single application. User control the chart and phoropter with both Android & iOS systems.

Product Introduction

1. Product Menu Software
2. 32 inch LCD Screen
3. Ethernet, USB, Serial Ports
4. Main Remote Control
5. Wall Mount Bracket





Features:

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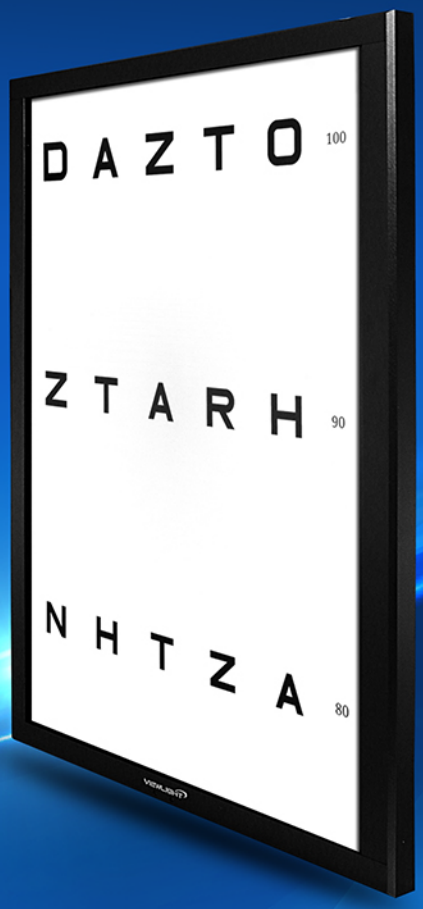

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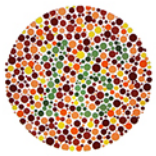

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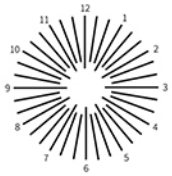

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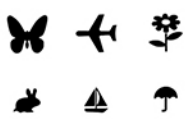

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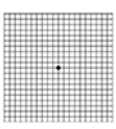

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Black/White Reverse function helps people, with lasik or cataract surgery, to easily recognize optotypes.

Phioria Test determines the patients eye focus near objects. Phioria usally occurs when binocular viewing is broken.

Interactive View Chart

LCD-3200

Measurements

Display:	32 inch QHD LCD Backlight
Active Display:	(W) 27.5 x (H) 15.65 inch
Resolution:	1920 x 1080 pixels
Brightness:	Max 350 cd / m^2
View Distance:	2.0 m ~ 6 m (0.25 step adjustment)
Memory Type:	Solid State Disk 32G
Power:	AC 110V ~ 220V, 50/60Hz
Power Consumption:	Less than 180W
Power Supply:	DC 12V 6A
Dimension / Weight:	(V) 800 X (H) 478 X (T) 90 mm / 17 Kg
Dimension / Weight: (Remote Control) :	(V) 128.5 X (H) 26.5 X (T) 11 mm / 45g
Control:	Remote Control or serial communication
Dimension / Weight:	(V) 800 X (H) 478 X (T) 90 mm / 17 Kg

Technical Specs

Operating System:	Google's Android Embedded System
Processor:	Amlogic ARM®Cortex®- A53 (ARMv8) 1.5Ghz QuadCore | Mali™-450 MP2 GPU (OpenGL ES 2.01/1.1)
External Interface:	USB 2.0 port, HDMI 1 port
Compatibility:	USB 2.0 Port
Multi-control channel:	4x USB, 1x RS-232, lx Ethernet)10/100)

EYE 2 CHART

FDA Monitors not included HDMI

EYE 2 CHART

EYE 2 CHART offers an acuity chart system, which can be easily changed by simple remote control. The eye level and distance can be adjusted by a simple click. Includes built in multiple functional charts.

Coincidence

Color Test

V- opto

Contrast S

Cross Cylender

Worth

G / R Balance

Cross Grid

Traffic Light

Opto

Schrober

ETDRS

Clock Dial

G / R Panel

EYE 2 CHART

EYE 2 CHART is supported with any HD screen monitor to display all functional and multiple built-in charts. Also it includes a reliable video, audio and pictures storage for all educational usage or training purposes.

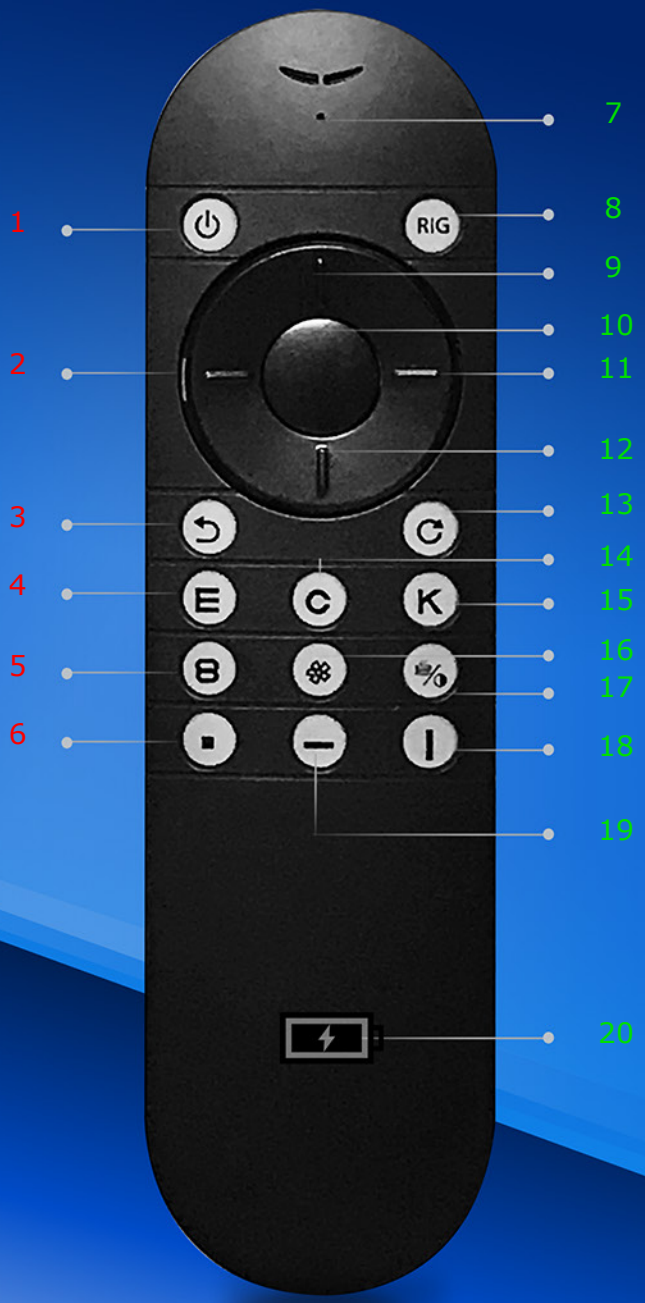
- Fits any LCD monitor or TV set
- Fully supported with high definition screens up to 1920 x 1080
- Smart calibration with easy setup (Plug and Play)
- Lifetime of free software upgrades through Wi-Fi.
- Supported by HDMI or VGA (Optional)

EYE 2 CHART offers an easy connection solution, simply connect the main supply device to the HDMI port and attach the power USB cable to the port.

EYE 2 CHART

1. Sleep / Awake
2. Left
3. Return
4. E Chart
5. Number Chart
6. Single Chart
7. Signal Light
8. Red / Green Background
9. Up
10. Confirm / Black / White converse
11. Right
12. Down
13. Random
14. C Chart
15. Alphabet Chart
16. Children Chart
17. Allen Chart / Contrast
18. Vertical Line
19. Horizontal Line
20. AAA Battery (Included)

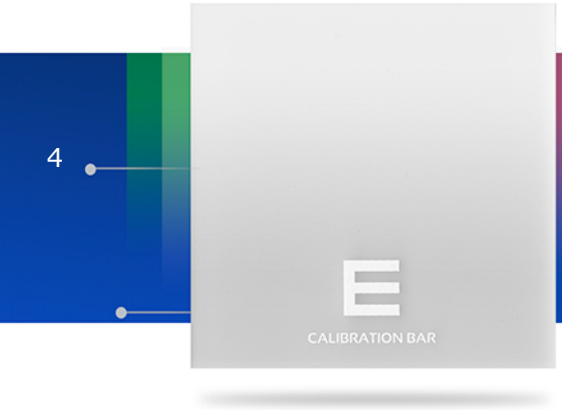
EYE 2 CHART wireless remote control includes an integrated hardware system, to operate the visual chart functions with ease and precision.



EYE 2 CHART

ITEMS INCLUDED

1. Wireless Remote Control
2. HDMI Connection
3. HDMI Extension Cable
4. Calibration Bar
5. USB Computer Connection
6. USB Remote Receiver
7. Power Cable Port
8. USB Receiver Port
9. Power Supply Adapter
10. USB Power Cable
11. VGA Extension Cable (Optional)



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RETI VIEW

Portable Retinal Camera

[NEW]

Digital Solutions for Anterior and Fundus Photography with Slit Lamps and Microscopes

FDA

Portable Retinal Camera

Viewlight USA is proud to introduce the new hand held fundus camera Reti View, an applied android system for easier operation, even without ophthalmology background.

Slim Body Wide Vision

- *HD touch screen*
- *High Definition 16 megapixel camera*
- *Manual / Auto Focus System*
- *Super Large Touch Screen*
- *Cloud Service System*
- *Low light LED Flash 480 x 800*
- *Auto focus 8 internal targets fixation*
- *Non-mydriatic, minimum pupil size 2.5mm*

Intelligent & Advanced Fundus Screening

Reti View is the most convenient method to supply all professional diagnosis for community screening and to realize effective mass screening.

The Reti View features a non-mydriatic and low LED flash, designed for accurate and detailed observations. It can capture quality images for minimum pupil size at 2.5mm; combined with AI smart and remote screening functions.

Android System Application

- *One hand operation with Android system*
- *Support data storage, reading, wireless transfer, wireless printing*
- *DICOM interface*
- *Work independently without additional computer or mobile device*
- *Integrated design only 560g*

Ophthalmic Application

- *Ophthalmology Clinic*
- *Internal Medicine*
- *Optical Center*
- *General Eye Clinic*
- *Physical Examination,*
- *Animal Hospital / Clinical Research*
- *Consultation / Charity*
- *Gynecology Hospital*
- *Basic Screening / Tele Medicine*

PRODUCT TECHNICAL PARAMETERS

FOV	45	Transmission & Storage	Capacity 16GB USB / Wifi / BT / 4G
Minimal Pupil	2.5mm	Weight	560g
Refractive Compensation	-20D +20D	Power Supply	Lithium Baterry 3.7V 3400mAh
Focus Way	Auto, Manual, Real-time Auto Focus	Continuous Battery	6h (Standby Time 24h)
Fixation Targets	8 Internal Targets Fixation	Image / Video Format	JPEG / 3GP
Image Resolution	16MP	Operating System	PC: Windows System: Android
Screen	3.97 Inch TFT-LCD 800 x 480	ID Card Reading	Support
Shoot Type	IR / White LED	NFC Card Reader	Support
Packing Size	Minimal Pupil	Connection Function	Professional software, APP, support DICOM, support cloud service system, patient data management software, support wireless printing.

Ophthalmic

CHAIRS & STANDS

****Instruments **Not** Included****

FDA

PEAK

REFRACTION UNIT

MADE IN ITALY

Ophthalmic Instruments
Not Included

PEAK has a special surface spray coating technology protects the instrument's surface not to be scratched easily, waterproof, damp proof and durable.

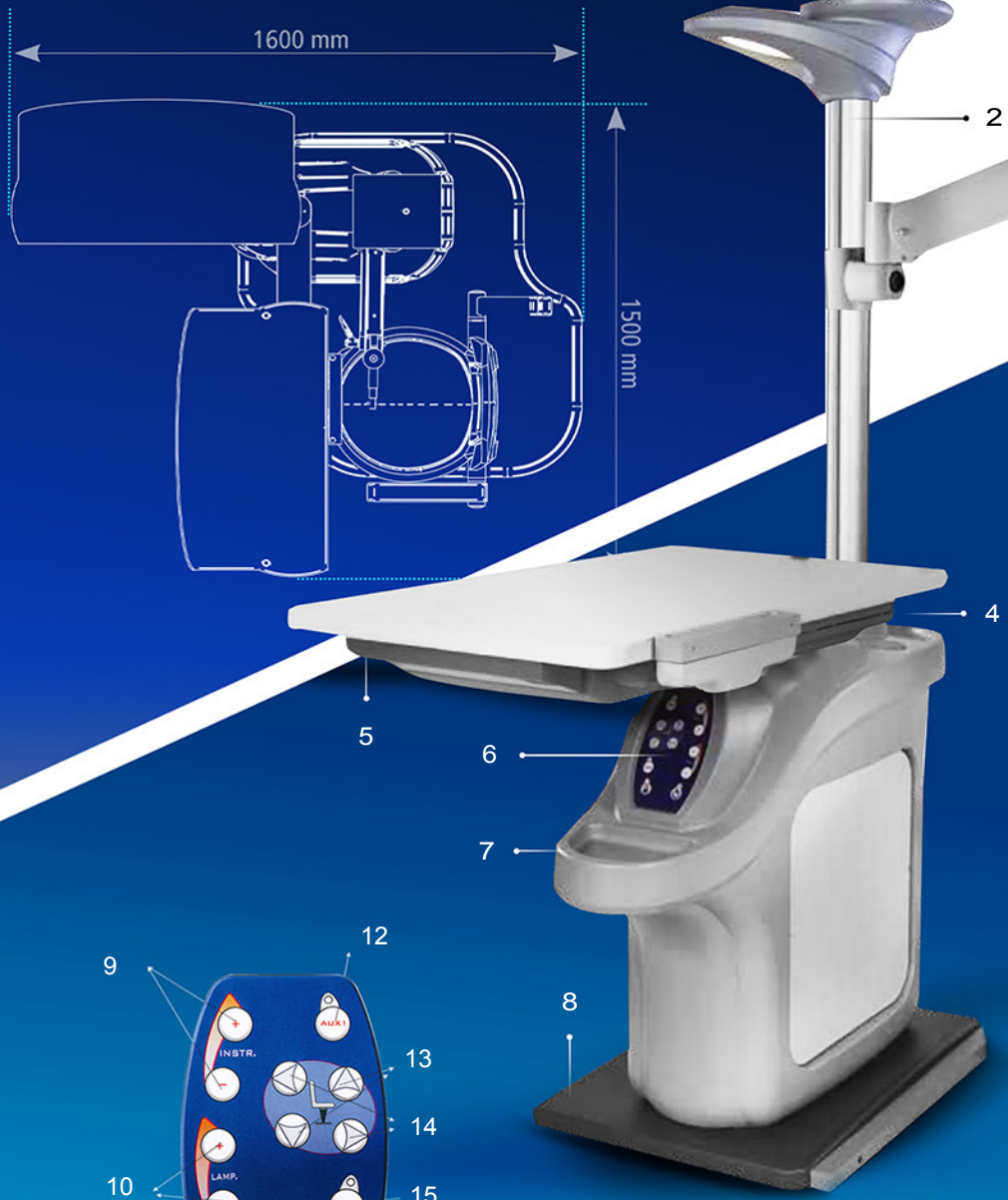
PEAK

REFRACTION UNIT

The refraction unit Peak chair and stand is a new type of product that brings in advanced design and manufacturing technology abroad, taking the simple, fashion, practical as starting point. PIKE ophthalmic units can hold up two instruments on their rotating table tops. Their one touch control panels facilitate easy operation.

Specifications:

Power Supply:	230Vac 50Hz/60Hz (110Vac - 60Hz)
Power Consumption:	600VA
Auxiliary Outputs:	230Vac 50Hz/60Hz max 100VA (110Vac - 60Hz)
Table Voltage:	3-15Vdc max 35VA / 230Vac 50Hz/60Hz max 100VA 110Vac 60Hz max 100VA



Features:

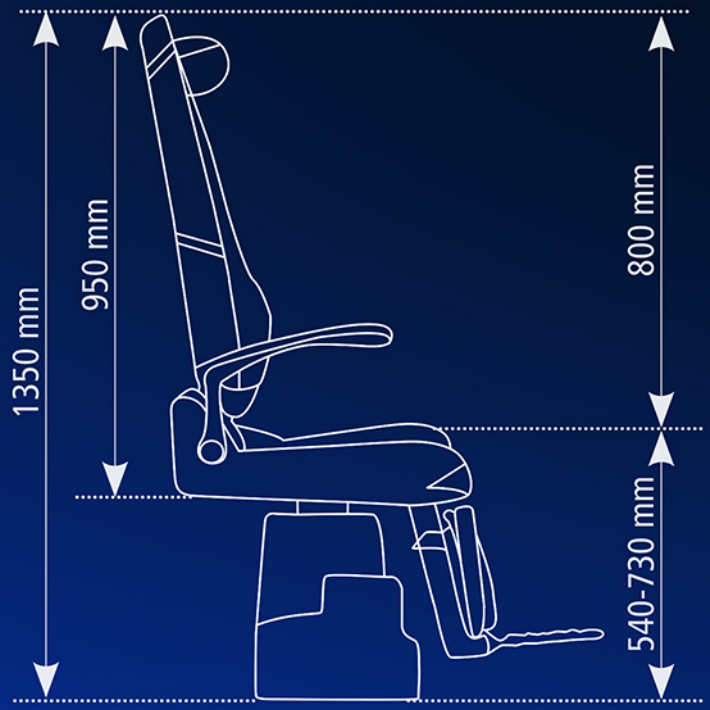
1. Projector Support
2. Column with LED Lamp
3. Phoropter Arm (Optional)
4. Hand instruments support
5. Two Working Station Table
6. Digital Control Panel
7. Tool Storage
8. Base Plate with Plastic Cover
9. Device Light Intensity Adjustment
10. Lamp Light Intensity Adjustment
11. Auxiliary ON / OFF
12. Unit ON / OFF
13. UP / DOWN Chair Movement
14. Anterior / Posterior Base Movement
15. Projector Turn ON / OFF
16. Lock / Unlock Table

Accessories

- Counter Balanced Phoropter Arm
- Rod for Slit Lamp
- Chin Rest Adapters
- Hand Instruments Recharge or Feeding
- Fixed Monitor Support
- Adjustable Monitor Support
- Extra Spotlight

PEAK

EXAMINATION CHAIR



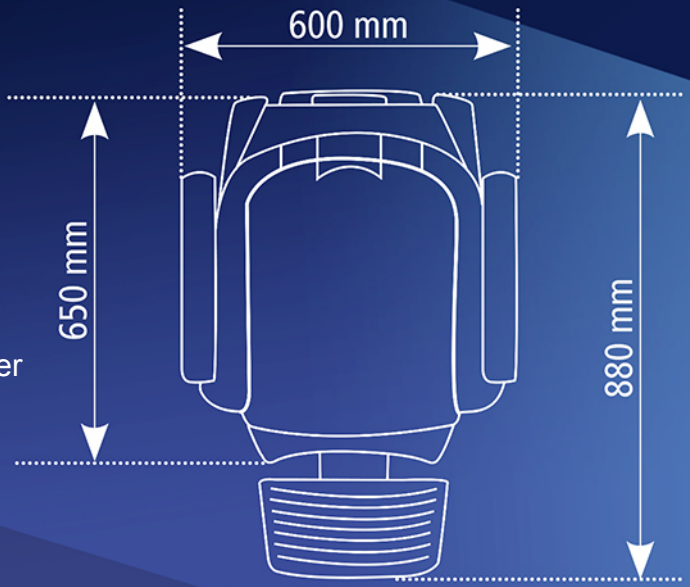
Viewlight USA displays a NEW modern and advanced examination chair PEAK, offers a detailed adjustable armrests, recline bar for easy rotation, reclineable footrest, comfortable upholstery padded materials for patient comfort.

Specifications:

- **Dimensions:** Min 430mm | Max: 620mm
- **Width:** 600mm
- **Depth:** 750mm
- **Weight:** 80 kg
- **Max Capacity:** 135 kg
- **Power Supply Voltage:** 230Vac - 50Hz
- **Current Absorbed:** 400 w
- **Main Fuses:** 2x T5A 250V for 230V

Overview:

1. Counter Headrest
2. Fixed Backrest
3. Reclineable Armrest
4. Rotation Handle
5. Up and Down Switch
6. Reclinable Footrest
7. Base Plate with Plastic Cover



Examination Unit
Edge

- Luxurious Italian design
- The EDGE ophthalmic unit can hold up two instruments on the rotating table top
- Full one touch buttons control it is an easy task to adjust the height of the chair and the unit
- Automatic height adjusting system
- Wheelchair access

Examination Unit
Classic

- Firm, light and handy structure
- Comfortable & Convenient Armrest
- Motorized examination chair
- Refined and modern appearance
- Special surface spray coating technology
- Rotation Angle ±30°
- Table Size: 840 mm x 405 mm

Examination Unit
Pure

- Digital control panel and hand instruments support
- Luxurious Oversized Headrest
- Comfortable & Convenient Armrest
- Manual pneumatic assisted tilt recline examination chair
- Workable table voltage: 200W

Examination Unit
Opera

- Luxurious Oversized Headrest
- Comfortable & Convenient Armrest
- Maximum Recline Control - 40
- Manual pneumatic assisted tilt recline z chair
- CSA, C/US Certificate of Compliance

Examination Unit
Allegro

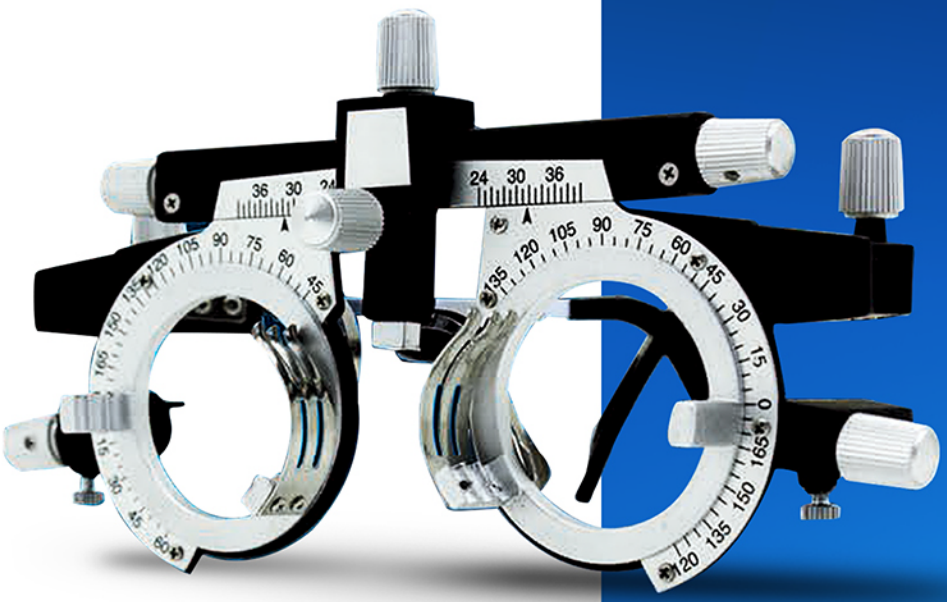
- Luxurious Oversized Headrest
- Comfortable & Convenient Armrest
- Maximum Recline Control - 40
- Manual pneumatic assisted tilt recline examination chair
- CSA, C/US Certificate of Compliance

Examination Unit
Mozart

- Motorized Recline and Incline Chair
- Adjustable & Positioning Worktable
- Mozart holds up to 265 lbs and seat raises 31.55" x 19.75
- Features a contemporary motorized up & down elevation motor
- Adjustable headrest
- Manual recline system and a comfortable upholstered armrest
- Special surface spray coating technology

MTF 1 & 2

TRIAL FRAMES



TRIAL FRAMES

The ergonomic design of Inami trial frames are a highly and durable instrument which features a quick and easy adjustment for both PD and corneal alignment.

Test Chart Reading

K-0391 is designed with precise measurements through a Test Chart reading. K-0391 phoropter measures and determines patients spectacle lens prescription during and eye examination.

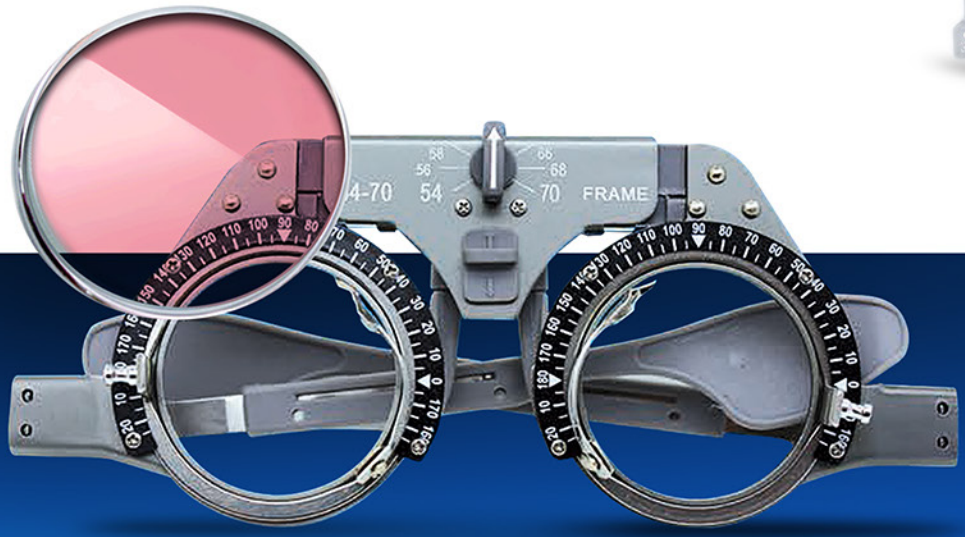
MTF-1

PD Distance	48-80mm (±0.8mm) Left or Right PD 24～180mm
Cornea Measuring Date	2mm Interval
Frame Adjustable Length	35mm
Nose Pad Adjustable Angles	360
Nose Pad Adjustable Length	0～14mm；Angle：0°～30°
Maximum Available Lenses	4 pcs.
Axis of Lens	360°
Weight	72g
Maximum Interval Lens Frames	200mm
Inner Diameter of Lens Frame	Φ32.5mm
Maximum Interval Lens Frames	200mm
Axial Calibration on Each Disc	Left disc 120°～0°～135° Right disc 45°～180°～60°

MTF-2

PD Distance	54, 56, 58, 60, 62, 64, 66, 68, 70
Cornea Measuring Date	2mm Interval
Frame Adjustable Length	35mm
Nose Pad Adjustable Angles	360
Nose Pad Adjustable Length	0～14mm；Angle：0°～30°
Maximum Available Lenses	8 pcs.
Axis of Lens	360°
Weight	48g
Maximum Interval Lens Frames	200mm
Inner Diameter of Lens Frame	Φ32.5mm
Maximum Interval Lens Frames	200mm
Axial Calibration on Each Disc	Left disc 120°～0°～135° Right disc 45°～180°～60°

Optical Trial Lens
(Set Not Included)



PD Adjustments

The K-0391 permits to adjust the PD, axis of the lens, frame length, and the position of the nose pad for a smooth measurement.

Precise Positioning

K-0391 position of axis can be determined from the circular scale on both sides of the frame to adapt the frame to various shapes of patients head.