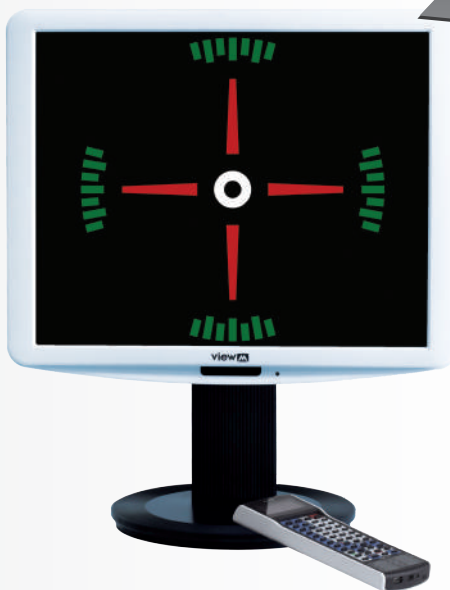


Digital Visual Acuity Chart System

VLC – 1900 / VLC – 2400 (P) (New System)

World
Market Share
No. 1



- New Standard of Visual Acuity Test
- Space-free Chart System
- No more Consumables needed
- Various Charts Support
- Image Slide-Show Customizable
- Stabilized All-in-One System Integration Technology
- User Friendly Function Design

Digital Visual Acuity Chart System VLC-1900 / VLC-2400(P) (New System)

» DISTINGUISHED FEATURES

Window CE Embedded Type Visual Acuity System

Window CE Embedded type of VLC chart system is more stable than computer based system and needs not additional accessories

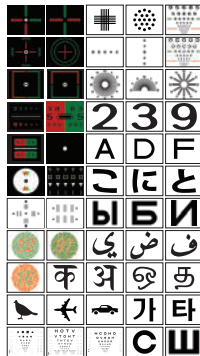
VLC chart system needs not cooling fan as it generates less heat while in operation

Booting Time: Less than 25 seconds



Special Charts & Various Precise Examination

VLC chart system helps various and precise exam including Binocular Balance, Aniseikonia, Streopsis, Binocular Fusion, Suppression, Strabismus, Phoria, Color Blindness and Amsler Grid Test with more than 100 charts



Wide Viewing Angle & Clear Chart

VLC chart system adopts high resolution 19-inch (1280 x 1024) & 24-inch (1920 x 1080) reliable industrial LCD panel with wide viewing angle which provides clear chart and removes the image distortion as well

User friendly function for test distance adjustment

Viewing distance can be adjusted in accordance to the space of test room

Viewing Distance is selectable by 0.25M step within 1.5M (Min) ~ 6.0M (Max)



Networking Function

VLC chart system communicates with compatible automatic phoropters

Wired / Wireless Remote Control with LCD Window

VLC chart system supports both wired / wireless remote control

High brightness of LCD panel enhances user convenience at dark eye exam circumstances

Remote control needs not replacement of Battery according to the adoption of rechargeable Lithium-Ion Polymer internal battery



SPECIFICATIONS

Model	VLC - 1900	VLC - 2400/(P)
LCD Type	19 inch (SXGA) TFT LCD	24 inch WUXGA TFT LCD
Resolution	1208 X 1024 pixels	1920 X 1080 pixels
Chart window size	(H) 300 X (W) 375mm	(H) 298.89 X (W) 531.36 mm
Brightness	80 ~ 320cd/m ² (5 - Level variable)	Max 250 cd/m ²
Chart Available	"Landolt, Snellen, English, Arabic, Numeral, Color Blindness, Special Charts, Image and etc."	
Selectable Distance	1.5 ~ 6M (0.25M step)	
Memory Type	SD Card	IDE type Flash Disk Module 4G
Power Supply	DC 12V / 5A	DC 12V / 5A
Power Consumption	40W	Less than 60W
Comctn	Wireless	IRDA Communication
	Wired	RS232 Communication
Dimension / Weight	(W) 436 X (H) 362 X (D) 59.55mm / 5.5Kg	(W) 624 X (H) 431 X (D) 79mm / 9Kg
Remote Control	(W) 69.5 X (H) 235.5 X (D) 26mm / 200g / Rechargeable Battery	
Data Interface	serial (RS-232)	
Standard Accessory	Wall Mount Bracket,	Wall Mount Bracket
Optional Accessory	Poll type Floor Stand, Red/Green Glasses, Pola Glasses	

User friendly Function

Black / White Reverse

Black / White reverse function helps Cataract and Lasik patients recognize charts easily



Contrast Sensitivity Adjustment

VLC chart system helps examiner test with Cataract patients using contrast sensitivity adjustment



They enable the examiner adjust to 10 steps,

R / G Filter Adjustment Function

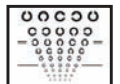
VLC chart system provides 32 steps of R / G filter density that can be used in accordance with test circumstances



All of Red/Green color charts can be reversed

ETDRS Adjustment Function

Position of opto-types of ETDRS-1 and ETDRS-2 can be changed by pushing a button on remote control



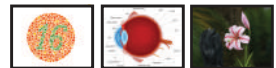
Random Function

VLC chart system provides various charts with differently order opto-types with Number, Alphabetic letters, Landolt, Snellen opto-types in order to protect the memorizing the order of opto-types by patients



SLIDE SHOW Function

VLC chart system can store 18 custom images in SD card and displays the images while the system is in power saving mode. And the images change in 5, 10 or 15 seconds



6 kinds of eye movement test charts during Slide mode.

4 kinds of Amsler Grid for Macular Degeneration.

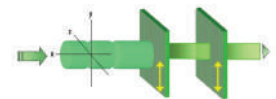
Animation for making a child concentrated during test.

Chart Selection Function

An examiner can select one of both Non-pola and Pola chart.

Best Polarization Performance

VLC-2400 / P
Polarization of 24-inch full screen
Optical polarization glass panel
Precise eye exam available using special charts



Various System Placements and Accessory selectable



View-M Technology Co., Ltd.

3/4F, 150, Beotkkot-ro, Geumcheon-Gu, Seoul, South Korea, 153-828

Tel : +82 2 866 2332 Fax: +82 2 866 2399

E-mail: sell@viewmtechnology.com

Web-page: www.viewmtechnology.com

MEASUREMENT MODES

K/R Mode	Continuous Keratometry and Refractometry
REF Mode	Refractometry
KER Mode	Keratometry
CLBC Mode	Contact Lens Base Curve Measurement

REFRACTOMETRY

Vertex Distance(VD)	0.0, 12.0, 13.5, 15.0
Sphere(SPH)	-25.00 ~ +22.00D (when VD=12mm) (Increments : 0.12 and 0.25D)
Cylinder(CYL)	0.00 ~ ±10.00D (Increments : 0.12 and 0.25D)
Axis(AX)	1 ~ 180° (Increments : 1°)
Cylinder Form	-,+,MIX
Pupil Distance(PD)	10 ~ 85mm
Minimum Pupil Diameter	Ø2.0mm

KERATOMETRY

Radius of Curvature	5.0 ~ 10.2mm (Increments : 0.01mm)
Corneal Power	33.00 ~ 67.50D (when cornea equivalent refractive index is 1.3375) (Increments : 0.05/0.12/0.25D)
Corneal astigmatism	0.00 ~ -15.00D (Increments : 0.05/0.12/0.25D)
Axis	1 ~ 180° (Increments : 1°)

OTHERS

Corneal Diameter	0.8 ~ 14.0mm (Increments : 0.1mm)
Memory of Data	10 measurements for each eye
Internal Printer	Thermal line printer
Power supply	AC100-240V, 50/60Hz (Free Voltage, Free Frequency)
Dimensions	Approx. 273(W)×501(D)×473(H) mm
Weight	Approx. 20kg



We, View-M
will always be there for you.

Auto Ref-Keratometer VRK-2400



View-M Technology Co., Ltd.
#3/4F, 150, Beotkkol-ro, Geumcheon-Gu,
Seoul, South Korea, 153-828
Tel : +82 70 7730 2352 Fax: +82 2 866 2399
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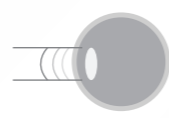
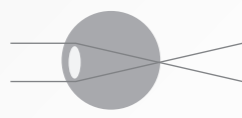
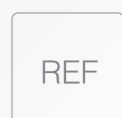
Auto Ref-Keratometer VRK-2400

with DSP Measuring Engine

providing stabilized measured results and clear pupil/iris images

Not only the usual refractometry and keratometry, but also corneal diameter and base curve of contact lens can be measured with this one instrument. Thus, measurements of eye and prescriptions for glasses and contact lenses can be made more efficiently.

Refraction & Keratometry Measurement



VRK-2400 Provides an extensive range of dioptric measurement range. It covers -25D to +22D, and the radius of curvature for keratometry is 5.0mm to 10.2mm. Owing to its easy alignment and friendly operation you can measure the refraction and keratometry in a sequence, the results can be checked all at once.

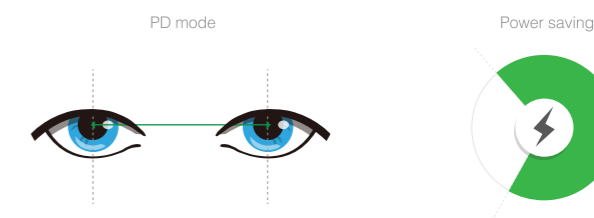


Diameter Measurement

Using the VRK-2400's Freeze Function, you can measure the diameter of the cornea, pupil or hard contact lenses worn by an examinee. Since the image of the eye is frozen, the process is both easier and more precise.

Colored picture notice table

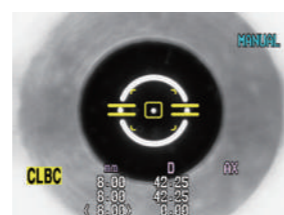
A wide visual field angled color picture notice table makes easy to fix patients' eye through making patients comfortable. An auto cloud and mist function is helpful to children or damaged eyes because it affects to machinery near vision and patients control.



Auto PD Measurement / Automatic power saving

It can measure and indicate pupils' distance can be measured automatically by using measurement of reflection eyes. If VRK-2400 is not used over 5 minutes, it shut off from electric power saving function eliminates current to the TV monitor and lighting circuitry. It conserves energy and prevents any build-up of heat from electronic circuitry, increasing its useful life.

VRK-2400's friendly convenient functions always be there for you



CLBS (Contact Lens Base Curve)

CLBS supports easy to measure posterior curve of hard contact lens.



Direct results indication

Through monitor, you can see the results(maximum of 10 data for each eye) of measurements stored in memory.



Operation layer

VRK-2400 provides intuitive user interface and it contains a fixed gripe of stage and a power sign light



Printer

Built-in printer provides fast and perfect clear paper that is placed VRK-2400's front-right side.



Easy handling joystick

It can be measured by only one hand. Even novices can use it with precise results.



Transmission of data

measured data can be delivered to the external instrument (PC, phoropter) through RS-232

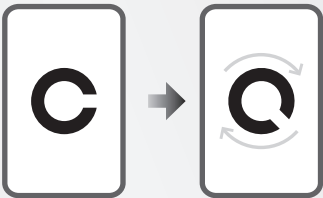
SCS · 3200

LED : DIGITAL CHART SYSTEM



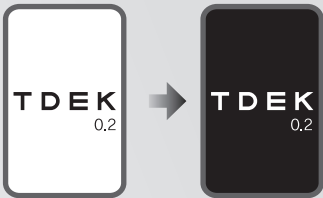
RANDOM Function

SCS-3200 system's random function helps examiners to diagnose the patients, it also maximizethe precise testing result by automatically changing numbers and letters on the chart.



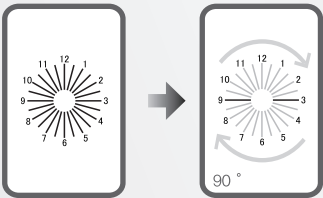
Black / White Reverse

SCS-3200 system's Black/White Reverse function helps people, who have some experiences of having lasik or cataract surgery, to easily recognize optotypes



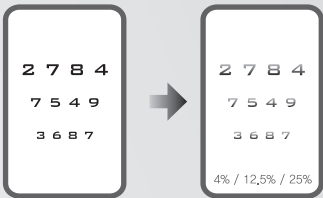
ASTIGMATISM AXIS Adjustment Function

SCS-3200 system's adjusting astigmatism axis function gives convenient environment to diagnose astigmatism test.



Contrast Sensitivity Adjustment

SCS-3200 system helps examiners to do the visual acuity test for Cataract patients by using contrast sensitivity adjustment.



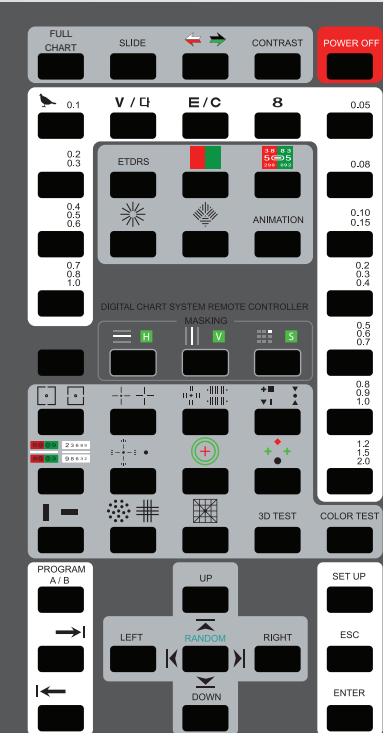
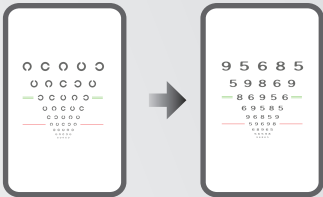
Animation Function

SCS-3200 system's animation function helps examiners to do the visual acuity test for children by using animation function to concentrate on testing.



ETDRS Adjustment Function

SCS-3200 system enables examiners to do the visual acuity test more conveniently by using ETDRS optotypes, which can be automatically changed by pushing button on the remote controller.



SPECIFICATION

Software	App based on winCE
Panel Type	32 inch WUXGA LED Backlight
Resolution	1080 x 1920 Pixels
Window Size	400 (W) x 700 (H) mm
Brightness	Max 350 cd/m ²
Chart Type	Full Chart, Landolt Ring, Snellen, Opto type(Korean, English, Number, Russian, Japanese), Children, Masking(Horizontal, Vertical, Single), Special Opto type(only Red/Green), ETDRS, R/G 3D, Amsler Grid, Color Blindness
Number of Channel	8 EA
Conversion	1 Frame / 0.02 Sec
Distance	1,5M ~ 6M (0,25 or 0.5 Step)
Power	AC 110V ~ 240V 50 / 60 Hz
Consumption	Less than 80W
Body Size / Weight	470 (W) x 800 (H) x 90 (D) mm / 12kg
Remote Size / Weight	65 (W) x 195 (H) x 20 (D) mm / 158g
Wireless	Main Remote Control : IR DA / 3D Remote Control : RF
Compatibility	USB 2.0 Port
Accessories	Main Remote Control, Wall mount, Power Cord, Manual
Options	Floor stand, Red/Green Glasses, Sub Remote Control



View-M Technology
3/4 F, 150, Beotkkot-ro,
Geumcheon-gu, Seoul, South Korea
Tel, +82 70 7730 5148 Fax, +82 2 866 2399
www.viewmtechnology.com

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Condition and price can be changed without previous notice to make better quality of the products.

MEASUREMENT MODES

K/R Mode	Continuous Keratometry and Refractometry
REF Mode	Refractometry
KER Mode	Keratometry
CLBC Mode	Contact Lens Base Curve Measurement

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Minimum Pupil Diameter	Ø2.0mm

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Auto Ref-Keratometer VRK-2400



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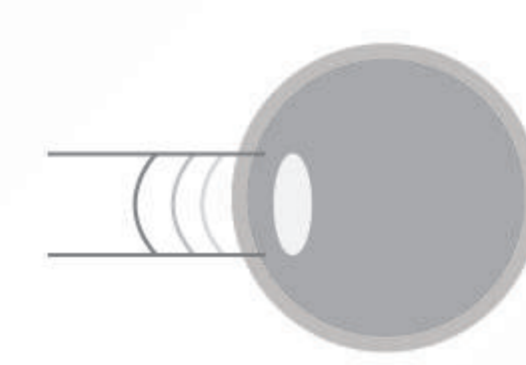
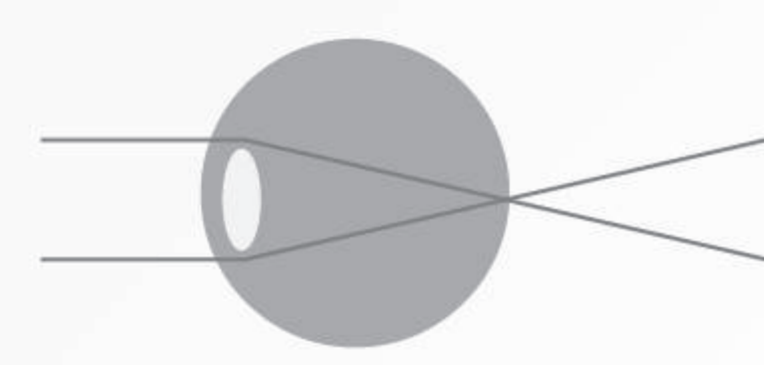
Auto Ref-Keratometer VRK-2400

with DSP Measuring Engine

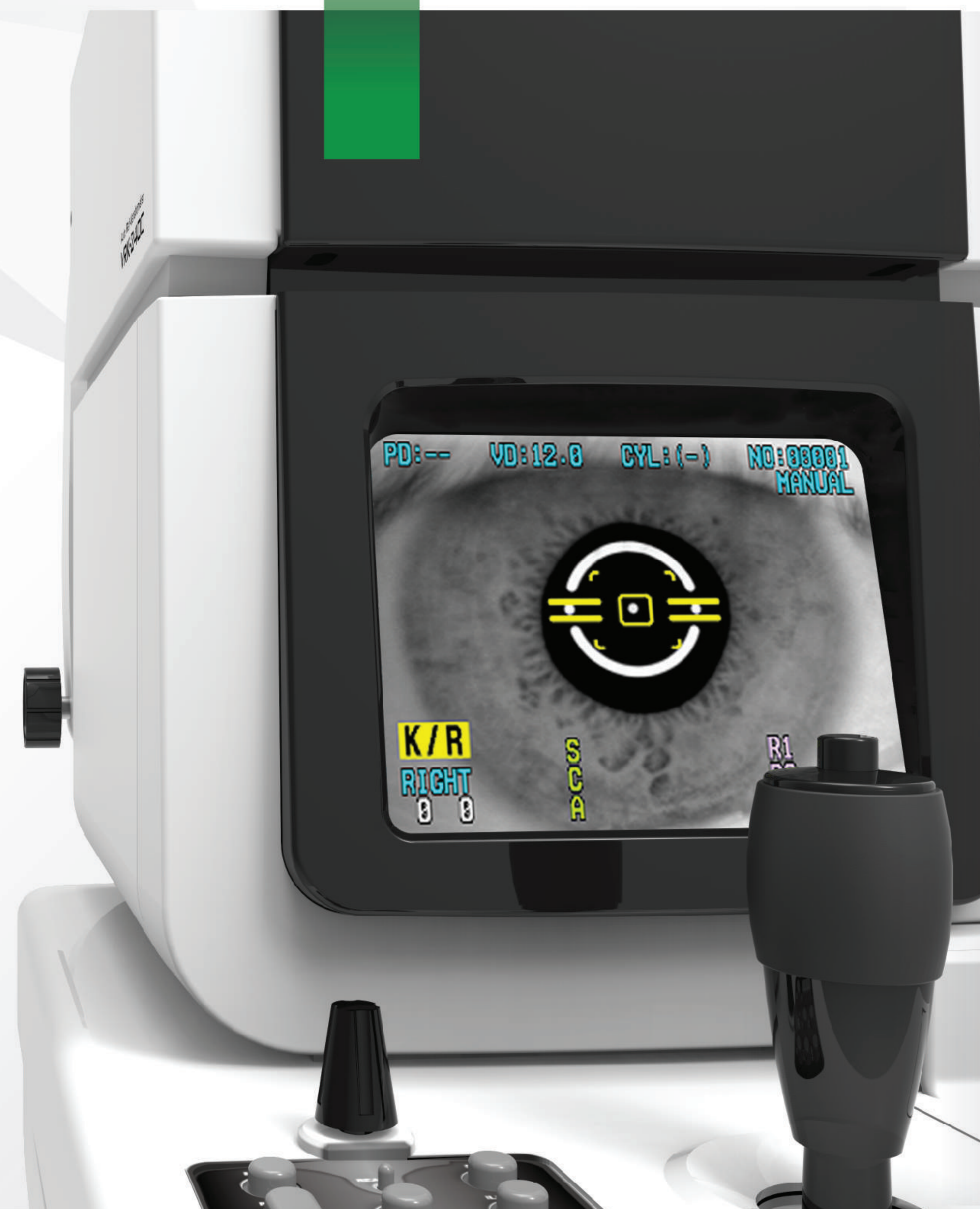
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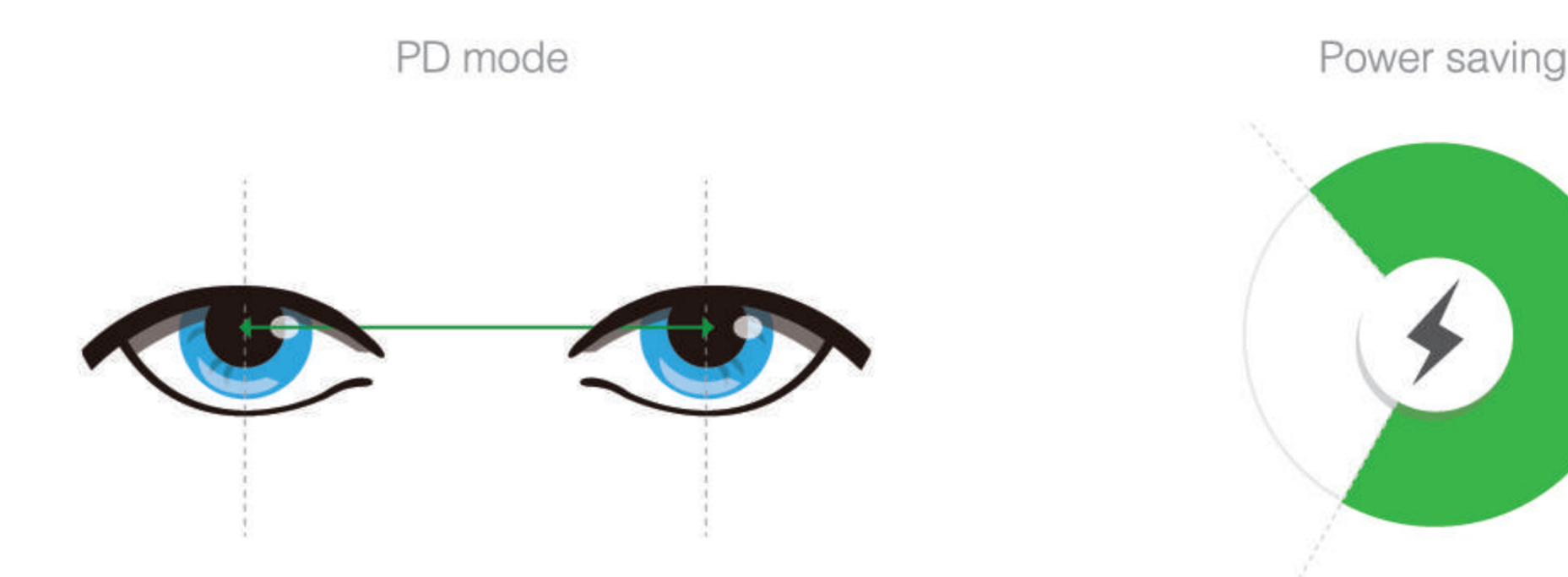


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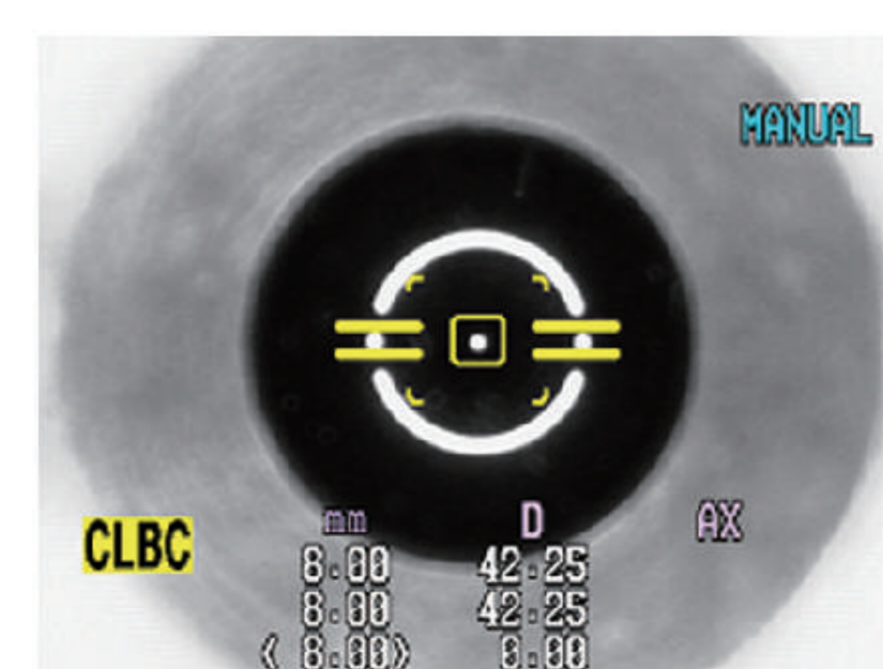
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Auto PD Measurement / Automatic power saving

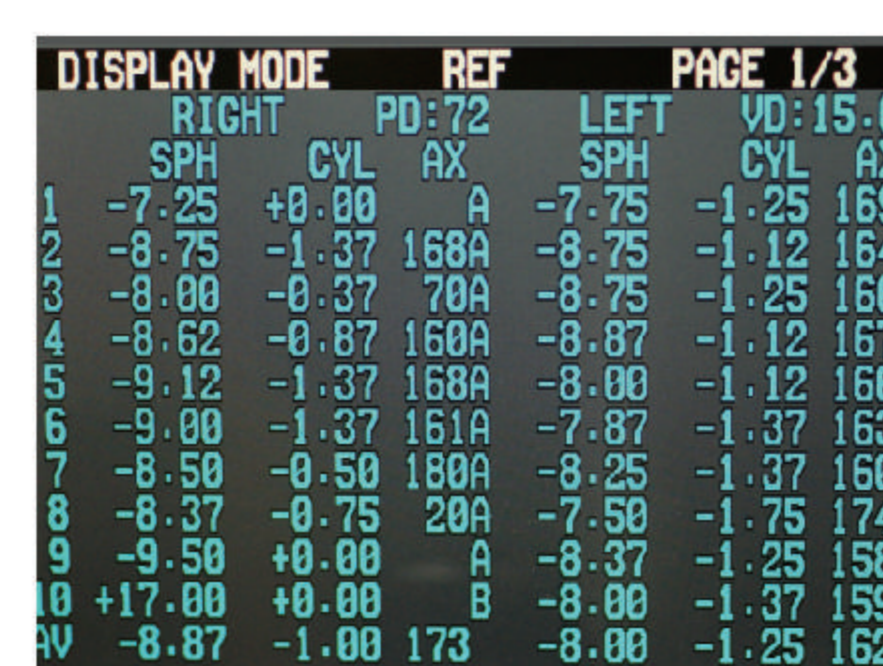
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CLBS supports easy to measure posterior curve of hard contact lens.



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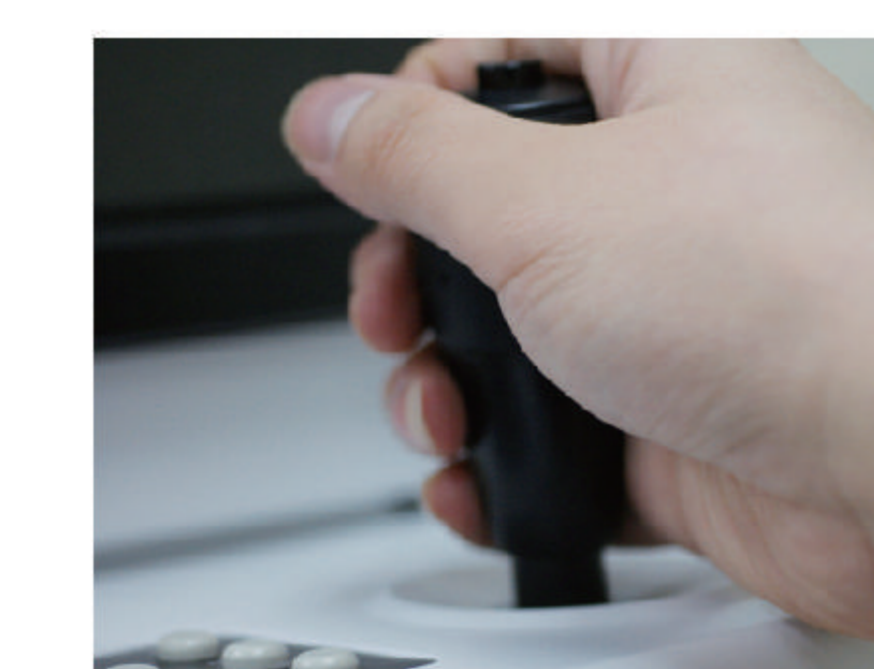
Operation layer

VRK-2400 provides intuitive user interface and it contains a fixed gripe of stage and a power sign light



Printer

Built-in printer provides fast and perfect clear paper that is placed VRK-2400's front-right side.



Easy handling joystick

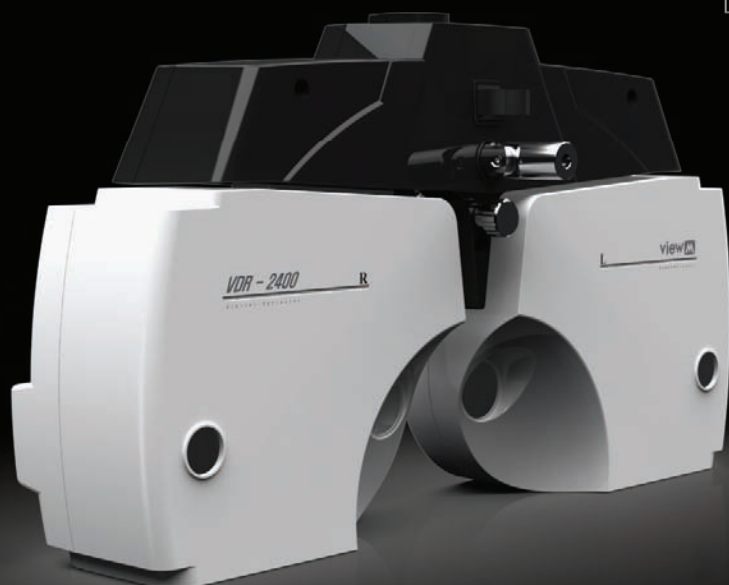
It can be measured by only one hand. Even novices can use it with precise results.



Transmission of data

measured data can be delivered to the external instrument (PC, phoropter) through RS-232

Auto Phoropter

VDR-2400 Digital Refractor
DIGITALIZED REFRACTOC BY VIEW-M

VDR-2400 enables exact and fast eye test with more accuracy by the function of diversified and precise eye examination. Digital type of VDR-2400 is very accurate.

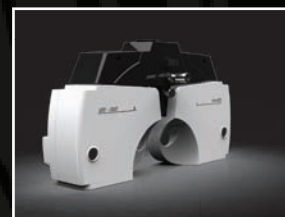
The measuring procedures are easy for optician's convenience.

It will certainly assist you to do precise eye examination.

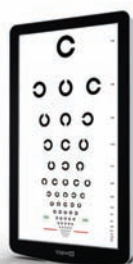
Networking System



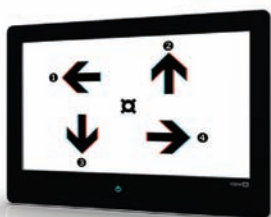
6.4 inch Full-Color - Monitor
Automatic PD control & Convergence - Control Technology
Convenient Function Key - Control Panel



View-M Product



32inch
SCS-3200
Smart chart system



24inch
VLC-2400/P
Polar chart system

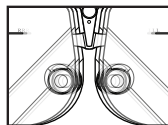
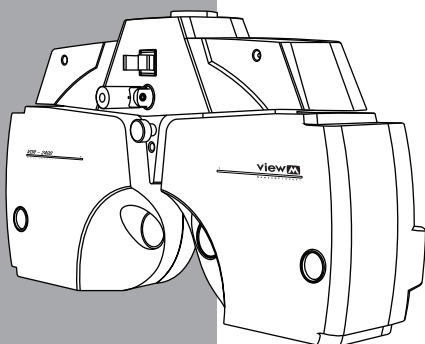
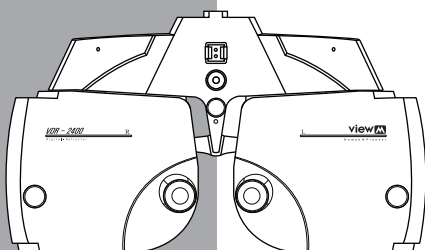


19inch
VLC-1900+
Visual chart system

VDR-2400 DIGITAL REFRACTOR

DIGITALIZED REFRACTOR BY VIEW-M

Outstanding Feature



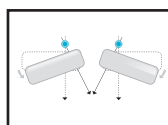
- Automatic PD control
Automatic PD setting by the data transferred from auto ref/keratometer and Individual PD adjustments by using keys are available.



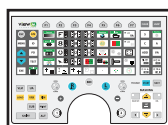
- 6.4inch Full-colored LCD panel
The wide(6.4inch) full-colored LCD panel supply the high convenience for the operator.



- Tilting Monitor
Operation Panel Monitor tilted to supply the high visibility for the examinee.



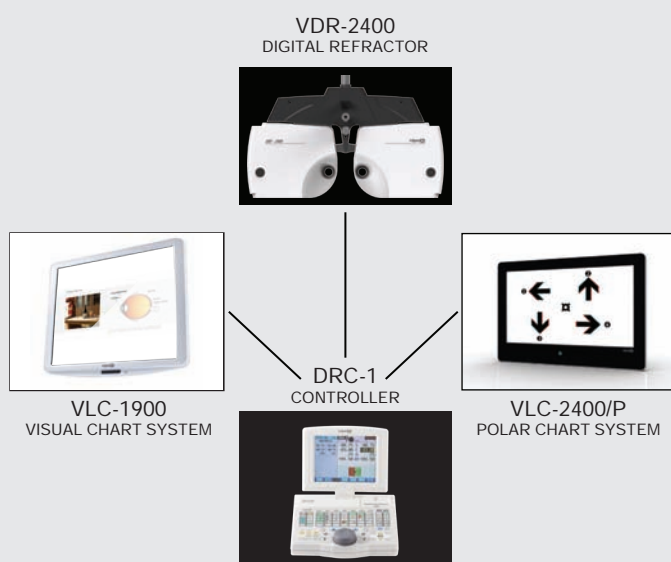
- Convergence for accuracy
For the presbyopia and near vision test, convergence is required for the accuracy.



- Convenient function key
Through well arranged function keys, high-efficient refractor test and quick chart selection are available.

Networking System

Specifications



* Efficient data transference between the Series of VIEW-M Brands

view-m View-M Technology Co., Ltd.

3F, Octo Building, 1000-1, Doksan-dong,
Geumcheon-gu, Seoul, 153-010, Rep. of Korea
Tel : +82 2 866 2332, Fax : +82 2 866 2399
Email : sales@viewmtechnology.com

Measuring Range

Spherical Lens	-29.00 ~ +26.75D (for general test) -19.00 ~ +16.75D (for cross cylinder and prism test) (Step : 0.12D/0.25D/0.5D/1D/2D/3D)
Cylinder Lens	0.00 ~ 8.75D (Step : 0.25D/0.5D/1D/2D/3D)
Cylinder Axis	0 ~ 180 (Step : 1 / 5 / 15 / 30 / 45)
Pupil Distance	Far : 48~80mm / Near : 45~75 mm (Step : 0.5/1.0mm)
Working Distance	35~70cm (Step : 5cm)
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	447(width) * 119(depth) * 337(height)mm, 6.5 kg
Controller	214(width) * 286 (depth) * 171(height)mm, 1.0 kg
Junction Box	266(width) * 72(depth) * 240(height)mm, 1.3 kg
Power Supply	AC 100 ~ 240 V, 50/60Hz
Power Consumption	140VA

Auxiliar Lens

Open/Close Lens	
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	
Fixed Cross Cylinder Lens	Jackson Cross Cylinder ±0.50D, Axis fixation 90°
Vision Degrees	32°