

# Digital Visual Acuity Chart System

## VLC-1900 / VLC-1900 Polar

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



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**view**   
TECHNOLOGY

## DISTINGUISHED FEATURES

### Embedded Type Visual Acuity System

- Embedded system, VLC-1900(P) is more stable than PC based system and needs not additional accessories
- VLC-1900(P) needs not cooling fan as it generates less heat while in operation
- Booting Time is less than 25 seconds
- VLC-1900(P) system is upgradeable with just SD card replacement and easy for A/S



### Special Charts & Various Precise Examination

- VLC-1900(P) helps various and precise exam including Binocular Balance, Aniseikonia, Streopsis, Binocular Fusion, Suppression, Strabismus, Phoria, Color Blindness Test with more than 100 charts



### Wide Viewing Angle & Clear Chart

- VLC 1900(P) adopts high resolution 19-inch (1280 x 1024) 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 or 0.5M step within 1.5M (Min) ~ 8.0M (Max)



### Networking Function

- VLC-1900(P) communicates with compatible automatic phoropters and is available to be controlled by the controller box of phoropter (VDR-1900, CDR-3100(P), CDR-7000, UDR-700)



### Wired / Wireless Remote Control with LCD Window

- VLC-1900(P) support 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



### User friendly Function

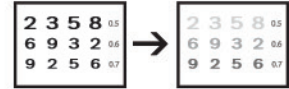
#### Black / White Reverse

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



#### Contrast Adjustment

- VLC-1900(P) helps examiner test with Cataract patients using contrast sensitivity adjustment



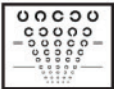
#### R / G Filter Adjustment Function

- VLC-1900(P) provides 10 steps of R/G filter density that can be used in accordance with test circumstances



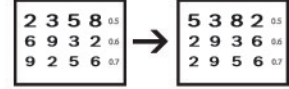
#### ETDRS Adjustment Function

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



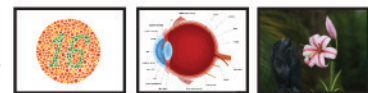
#### Random Function

- VLC-1900(P) provides various charts with differently ordered opto-types with Numbers, Alphabetic letters, Landolt, Snellen opto-types in order to protect the memorizing the order of opto-types by patients



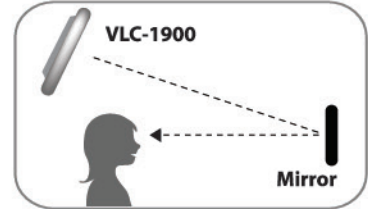
#### SLIDE SHOW Function

- VLC-1900(P) 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 or 10 seconds



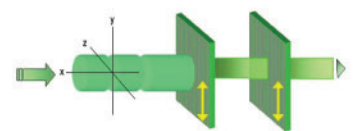
#### Mirror Function

- Minimum viewing distance is 1.5M and mirror function of VLC-1900(P) provides the benefits of testing vision at half distance in narrow test room



#### Best Polarization Performance

- VLC-1900P
- Polarization of 19-inch full screen
- Optical polarization glass panel
- Precise eye exam available using special charts



## SPECIFICATIONS

LCD Type	19 inch (SXGA)	
Resolution	1280 x 1024 pixels	
Chart window size	(H) 300 X (W) 375mm	
Brightness	80~320cd / M (5 - Level variable)	
Charts Available	Landolt, Snellen, English, Arabic, Numeral, Color Blindness, Special Charts, Image and etc.	
Selectable Distance	1.5 ~ 8M (0.25 or 0.5M step)	
Memory Card	SD Card	
Power Supply	DC +12V 5A (Power Adaptor)	
Power Consumption	40W	
Comcn.	Wireless	IRDA Communication
	Wired	RS232 Communication
Dimension / Weight	(W) 436 X (H) 362 X (D) 59.5 mm / 5.5 kg	
Remote Control	(W) 69.5 X (H) 235.5 X (D) 26 mm / 200g / Rechargeable Battery	
Data Interface	Cable for digital Phoropter	
Standard Accessory	Wall Mounting Bracket, Desk - top Stand	
Optional Accessory	Poll typed Floor Stand, Red/Green Glasses	

### Various System Placements and Accessory selectable

