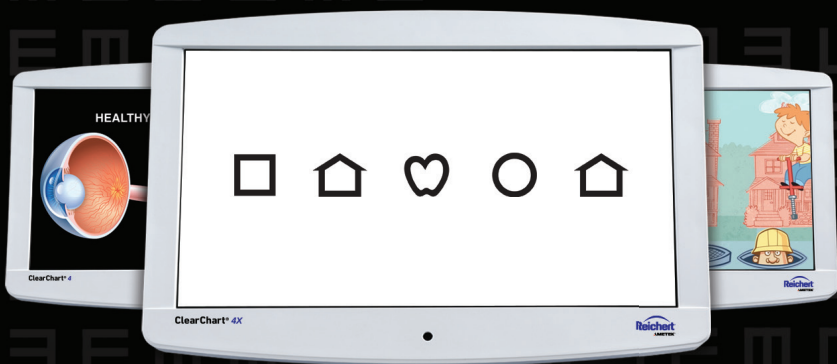


# Pixel-perfect acuity testing.

Intuitive, connected, and purpose-built.



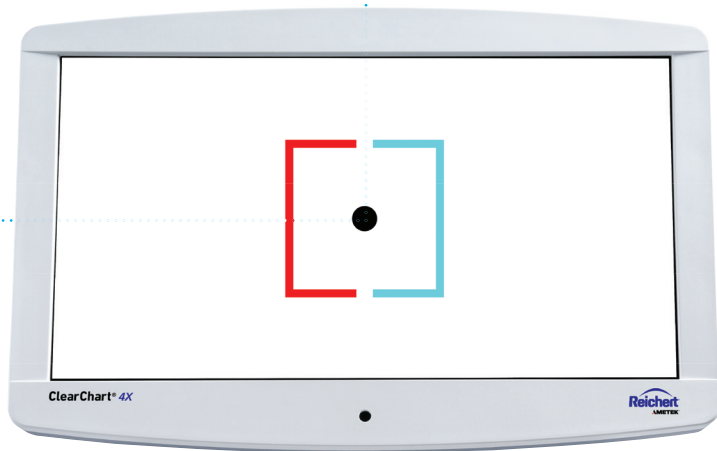
## ClearChart® 4

Family of Digital Acuity Systems

ClearChart 4 • ClearChart 4X • ClearChart 4P



[reichert.com/clearchart](http://reichert.com/clearchart)



## ClearChart® 4 Family of Digital Acuity Systems

Pixel-perfect acuity testing and purpose-built.

The family of ClearChart® Digital Acuity Systems from Reichert® are all-in-one, elegant, and simple-to-use. They are uniquely designed to meet all of your acuity testing needs with a wide selection of optotypes and other special test charts. The **ClearChart 4 Digital Acuity System**, **ClearChart 4X Enhanced Digital Acuity System**, and **ClearChart 4P Polarized Digital Acuity System** all feature a 24-inch, high-resolution, LED-backlit display, and are lightweight, cool-running, and long-lasting. ClearChart seamlessly connects to Reichert digital Phoroptors for the best possible refraction experience for both you and your patient.



## Built for Acuity Testing

ClearChart® Digital Acuity Systems are all-in-one, custom-built and engineered for all of your acuity testing needs. Utilizing an intuitive and stable operating system designed by Reichert, ClearChart ensures consistent and reliable performance over other computer-based acuity systems.

## No Moving Fans or Spinning Hard Drives

Requiring no separate components or software, ClearChart Digital Acuity Systems are free of moving parts, noisy fans, and spinning hard drives providing cool-running, silent, and dependable operation.

## High-Resolution, LED-Backlit

All ClearChart models feature a 24-inch, high-resolution (1920x1080), LED-backlit display with three different illumination levels for mesopic (3 cd/m<sup>2</sup>) and photopic (85 cd/m<sup>2</sup>) lighting conditions.

## Wide Range of Optotypes

ClearChart has an extensive range of optotypes that can be randomized to prevent patient memorization. Optotypes can also be isolated, increased, or decreased in size, and can be displayed in either Snellen or Logmar progression.

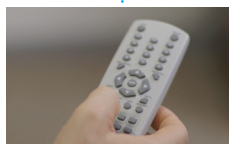
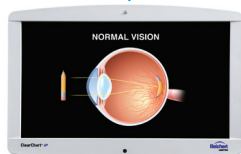
Optotypes include: 17 Letter Set, 8 Letter Set, Sloan, HOTV, Landolt C, Landolt C & O, Tumbling E, Children's Optotypes.

Specialty test charts include Astigmatic Tests, Fusion and Phoria Tests, and Binocular Balance.

ClearChart 4X and ClearChart 4P include LEA SYMBOLS® and LEA NUMBERS® along with ETDRS and Contrast Sensitivity.

## Intuitive Remote Control

An easy-to-use, infrared remote control allows access to all features and functions from almost anywhere in the room.



## Direct or Mirrored Configuration

ClearChart Digital Acuity Systems can be configured for standard or mirrored viewing to accommodate refracting distances from 6 ft to 31 ft (1.83 m to 7.5 m).

## Images and Videos

ClearChart 4X and ClearChart 4P users have the ability to add images and videos to customize their acuity system by simply importing files from a USB drive.

Patient Education slides and Pediatric Fixation video come standard with the ClearChart 4X and ClearChart 4P.

NEW!

## Stereo Testing

ClearChart 4X now features new color stereo charts for binocular testing. ClearChart 4P features a linear polarized screen with polarization angles of 45° and 135° and utilizes an articulating mount to ensure proper viewing.

## Specifications:

### Size and Weight

|                  |                      |
|------------------|----------------------|
| Weight, Unpacked | 5.9 kg (13.10 lbs)   |
| Height           | 39.62 cm (15.60 in.) |
| Width            | 58.92 cm (23.20 in.) |
| Depth            | 7.62 cm (3.00 in.)   |

### Electrical

|                |                             |
|----------------|-----------------------------|
| Voltage        | 100 - 240 volts AC 50/60 Hz |
| Input Power    | 50-75 VA                    |
| Fuses          | (2.5 A, 250 V), 5 x 20 mm   |
| Remote Control | 2 AAA batteries (included)  |

### Communication

|             |       |
|-------------|-------|
| USB Ports   | 2     |
| Serial Port | RS232 |

### Display

|                            |                                                                 |
|----------------------------|-----------------------------------------------------------------|
| ClearChart 4/ClearChart 4X | 60 cm, (24 in.) color LCD                                       |
| ClearChart 4P              | 60 cm, (24 in.) polarized, color LCD with passive 3D capability |



## Comparison Chart

|                                                    | ClearChart 4 | ClearChart 4X | ClearChart 4P |
|----------------------------------------------------|--------------|---------------|---------------|
| Purpose-built for acuity testing                   | •            | •             | •             |
| Wide range of optotypes and test charts            | •            | •             | •             |
| 24 inch high resolution LED backlit display        | •            | •             | •             |
| Cool-running, free of moving fans, and hard drives | •            | •             | •             |
| Pediatric fixation cartoon video                   | •            | •             | •             |
| Connects to Reichert® digital Phoroptors           | •            | •             | •             |
| Astigmatic test charts                             | •            | •             | •             |
| LEA SYMBOLS® and LEA NUMBERS®                      |              | •             | •             |
| ETDRS testing                                      |              | •             | •             |
| Contrast sensitivity                               |              | •             | •             |
| Patient education slides                           |              | •             | •             |
| Import your own videos and images                  |              | •             | •             |
| Color vision testing                               |              | •             | •             |
| Color stereo testing                               |              | •             |               |
| Polarized stereo testing                           |              |               | •             |

## ClearChart® 4, 4X, and 4P Catalog Numbers

13795 ClearChart 4  
13775 ClearChart 4X

13785AG ClearChart 4P Logmar/Decimal  
13785DL ClearChart 4P Linear/Decimal  
13785SE ClearChart 4P Snellen/Standard



## ClearChart® 4

Family of Digital Acuity Systems

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