



Complete remote eye care. **One central hub.**

Topcon RDx® is an innovative ocular telehealth platform that allows you to connect to your office remotely and conduct comprehensive eye exams, without sacrificing the quality care you provide. Grow your practice beyond your physical location and deliver quality eye exams from virtually anywhere.



Remote access to quality care

Topcon's CV-5000S automated phoropter integrates with RDx remotely, allowing you to perform refractions from anywhere.



Patient convenience

Deliver quality eye exams for your patients at a time and place that is convenient and safe for them.



Automation and practice efficiency

Utilize the benefits of integrated remote video conferences between your staff and patients while connecting and controlling devices within your practice, in real-time.

Technical Specifications

The bandwidth requirements for Topcon RDx depend on the number of operators using the system, simultaneous video conferencing sessions and response time expected from the image management application. The image management application and video conferencing are the two components requiring most of the bandwidth.

Image Management Application Requirements

For viewing OCT images and upload speed, we recommend a 50 Mbps bandwidth. Without OCT images, we recommend 10 Mbps bandwidth for download and the minimum required bandwidth of 3 Mbps for uploads.

Topcon CV-5000S Digital Phoropter And Visual Acuity Charts Pattern Compatibility

- CV-5000S: Power Supply Unit V 2.18, V 2.19 & V 2.20
- VisiChart®: Type H1, E(M), E
- PC-50S: Type H1, E(M), E
- MC-4S 3D Mirror Chart: Type H1, E(M), E

PC + A/V Equipment Requirements

- One PC per exam room connected to the same LAN as CV-5000S digital phoropter
- One PC per remote OD with external HP 24" monitor
- Optional TV display for pre-test and exam lane for patient experience

EHR API Integration

- Protocols: TLS 1.2 , 1.3 and newer
- Java: Oracle Java 8 and newer
- Server: Windows 10, Windows Server 2016, .NET Ver 3.5.1
- Permissions: IP Whitelisting

For an office location with one user, we recommend 10 Mbps bandwidth for downloads and 3 Mbps bandwidth for uploads.

Minimum Specifications

Processor	7th Gen i3 Dual Core or 4th Gen i5 Quad Core (or equivalent)
RAM	8GB
Hard Drive	Minimum 3GB free space
Display	Full HD (1920 x 1080) resolution
Browser	Chrome latest stable version
OS	Windows 10 (64-bit) or macOS 10.15 Catalina

Recommendations for Peripheral Equipment

- **Headset:** High quality headset with noise-cancelling microphone and audio controls, e.g. Wantek
- **Webcam:** High quality video conferencing webcam, for example from Logitech
- **Video Conference Light:** Good quality video conference light for remote OD workstation to support a better video session experience