

Core Idea Innovations private limited

TEFLA

REFRACT FROM ANYWHERE ANYTIME

Do refraction to your patients in
any part of the world!

**TO REVOLUTIONISE
EYE CARE CONTACT**

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FEATURES

☐ **Multiple Tests:** Two key functions

- Tele Visual acuity testing.
- Tele-Subjective refraction test.

☐ **Portability:** Compact and portable, allowing for remote use without requiring a large room.

There is no need for 6 meters room or 3 meters room with a mirror.

☐ **Cloud Connectivity:** Enables eye testing from remote locations, connecting clinicians and patients through cloud systems. This allows for tele-eye testing across national boundaries.

☐ **Virtual Reality-Based:** Virtual reality optics simulate 6 meters, the optical infinity required for vision tests.

☐ **Non-Medical Operation:** Can be operated by non-medical professionals, expanding accessibility for mass vision screenings.

☐ **Quick Documentation:** User-friendly software for fast and efficient documentation of medical records during testing.

- ☐ **Tele-Eye Testing:** Pioneers virtual reality tele-eye testing, where an examiner can operate the device remotely.

BENEFITS

- ☐ **Cost-Effective:** Reduces the infrastructure cost of traditional eye testing, with significantly lower investment requirements.
- ☐ **Accessible Eye Care:** Brings eye testing to rural areas and other locations, including homes, villages, airports, and diagnostic labs.
- ☐ **Efficiency:** The device's portability and ability to be operated by non-medical personnel make it ideal for large-scale vision screening campaigns in schools, factories, and communities.
- ☐ **Remote Testing:** Patients can be tested and prescribed spectacles without visiting an eye hospital, revolutionizing eye care delivery.
- ☐ **Validated Technology:** Clinically validated and proven to deliver results comparable to gold-standard eye testing devices.

SPECIFICATIONS

- ☐ **Technology:** Virtual reality based.
- ☐ **Cloud-Based:** Cloud connection for patient data storage, retrieval, and teleconsultations.
- ☐ **Optics:** The optics in virtual reality simulates 6 meters.
- ☐ **Software Support:** User-friendly documentation and remote operation capabilities for examiners.

PRODUCT

Hardware:





☐ **Material:**

- **Outer Shell:** Polymer composite, providing a durable yet lightweight build.
- **Lenses:** Precision optical lenses for accurate refraction and visual acuity tests.

- ☐ **Power Source:** powered by an internal rechargeable battery with a USB charging port, as seen by the light indicator. Battery duration is 8 hours.

- ☐ **Connectivity:** Wi-Fi -enabled for cloud-based data transmission and tele-eye testing.

☐ **Display/Indicator:** An indicator light on the side, signaling battery status or operational mode.

Software:

Patient Name

Patient ID

Age

Gender

Phone Number

Autoref Details

RightBothLeft

C

E

9

N

<

Current Acuity Level6/120

>

Save Visual Acuity

	Right	Left
Normal	---	---
Pinhole	---	---

Prescription

Doctor Panel



Prescription



Autoref Details



Coming Soon



Coming Soon

Live call



User Interface (UI):

☐ Patient Data Input Fields:

- **Fields Available:** Patient name, Patient ID, Age, Gender, Phone Number.
- **Autorefraction Details Button:** A dedicated button for receiving autorefraction details from the autorefractometer.

☐ Visual Acuity Testing Interface:

- **Eye selection:** The software allows selection between testing for the right eye, left eye, or both eyes. (The eye which is not being tested need not be occluded.)
- **Optotype selection:** It allows the practitioner to select Snellen, Tumbling E chart, and Log MAR chart
- **Optotype Display:** Displays optotypes allow us to display optotypes of size ranging from 6/120 to 6/6.
- **Visual acuity data storage:** The software allows us to save the visual acuity of the person and retrieve it.

Final prescription: The software also allows us to save the patient's final prescription. The software allows the practitioner to send the prescription to the patient's WhatsApp or email.

Scan the QR code to see the video of live tele-refraction

