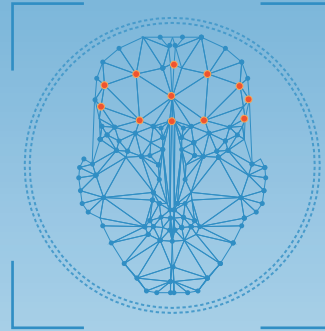




Product concept, Design, Development, and Production **IN INDIA**



AVATAR THERMAL EYE

FULLY AUTOMATED MEDICAL GRADE
NON-CONTACT TEMPERATURE SCANNER

Avatar Renewables (P) Ltd

(Incubated in Maker Village / Kerala Start Up Mission)

www.avatarrenewables.com

info@avatarrenewables.com

Project funded by **Nidhi Prayas** grant from DST, GOI through **SCTIMST-TIMed**



Designed &
Manufactured in  India
A Patent Pending Product

Human Body Temperature Sensing

- Automatic compensation for any ambient temperature variation
- Direct measurement

Key Features of Avatar Thermal Eye

1. Intelligent identification of thermal points to avoid human error
2. Automated scanning to prevent human contact during contagious disease spread
3. Accuracy of +/- 0.2 degrees Celsius to reduce false positive/negative cases
4. Industrial Quality Mechanical and Electronic components
5. Medical grade sensors
6. Falls well within FDA recommendations of accuracy of +/- 0.5 degrees (accuracy of +/- 0.2 degrees for Avatar Thermal Eye)

Meets FDA Recommendations

FDA recommends accuracy levels
of $\leq \pm 0.5^{\circ}\text{C}$

Avatar Thermal Eye uses medical
grade sensors with an accuracy of $\pm 0.2^{\circ}\text{C}$

$^{\circ}\text{C}$

Avatar Thermal Eye uses Thermopile instead of Micro Bolometer



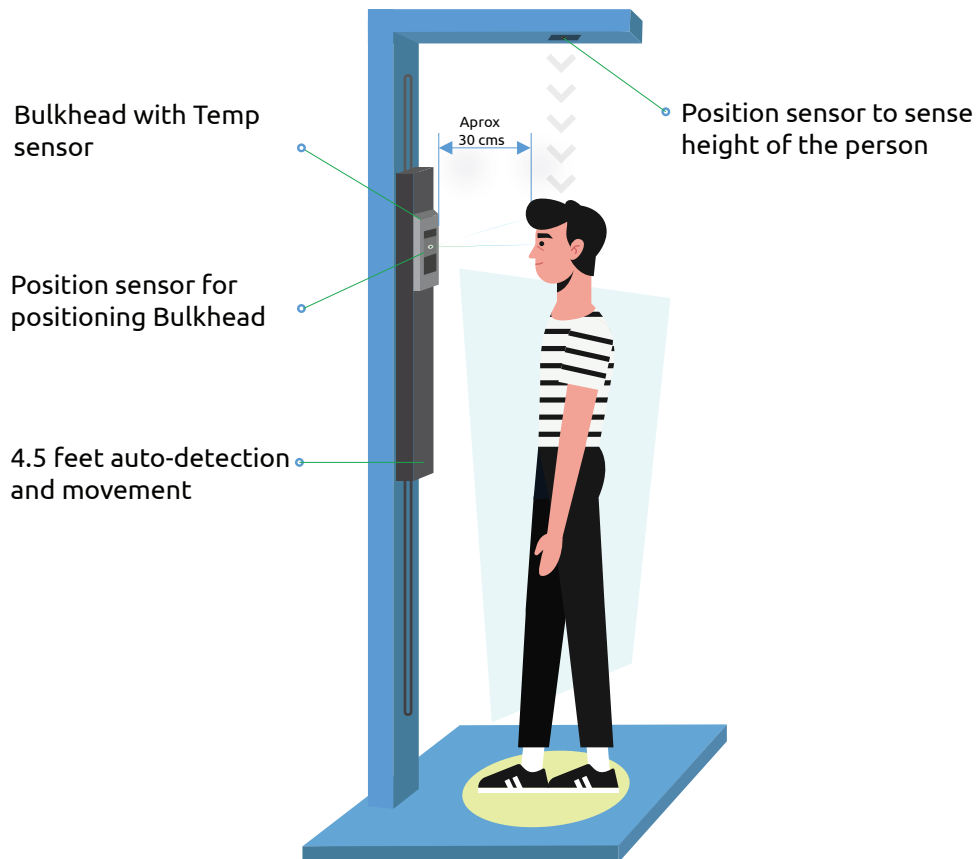
**5°
FOV**



12 POINT facial scan
(12 points ensure the eye-canthus region)



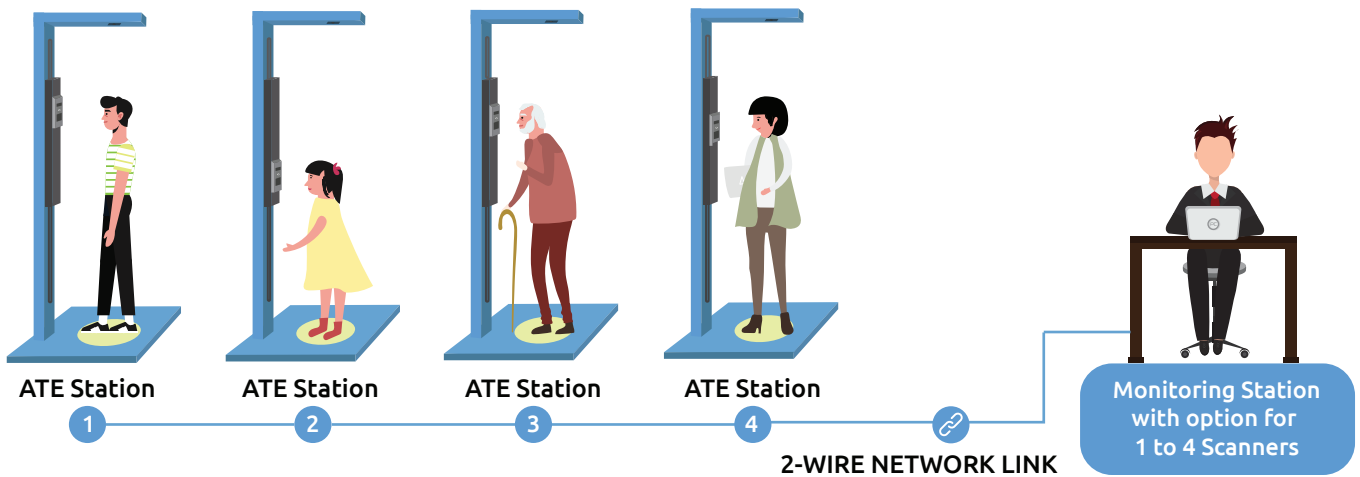
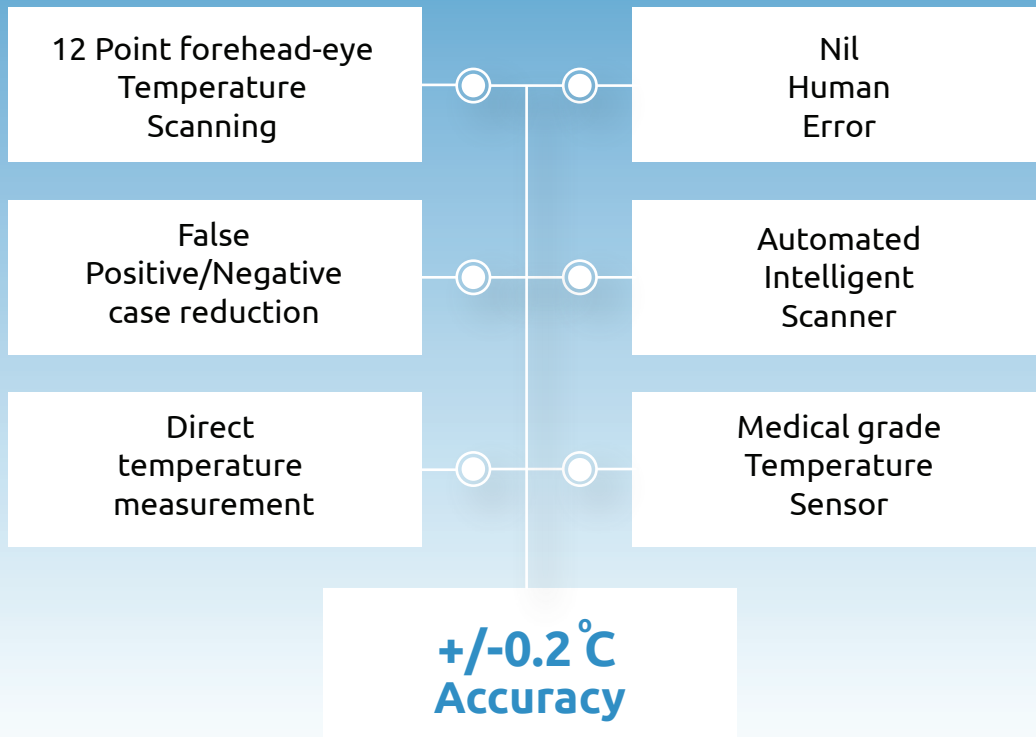
500
Individuals can be
scanned in an hour
(2000 with four stations)



Components of the Automated
ATE Station

**Avatar Thermal Eye
(ATE STATION)**

Key Advantages of Avatar Thermal Eye



Data storage with time-stamp without personal data such as pictures, names, DOB etc

Configurable emissivity and **temperature** threshold

Up to 1km total network **connectivity**

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