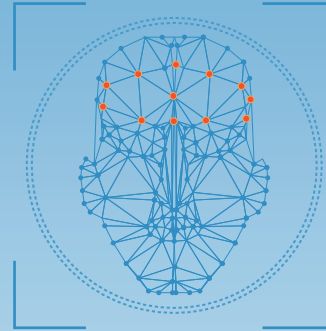




Product concept, Design, Development, and Production **IN INDIA**



## 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](http://www.avatarrenewables.com)

[info@avatarrenewables.com](mailto: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 +/- 0.3 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 +/- 0.3 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  $\pm 0.3^{\circ}\text{C}$

# Avatar Thermal Eye uses Thermopile instead of Micro Bolometer



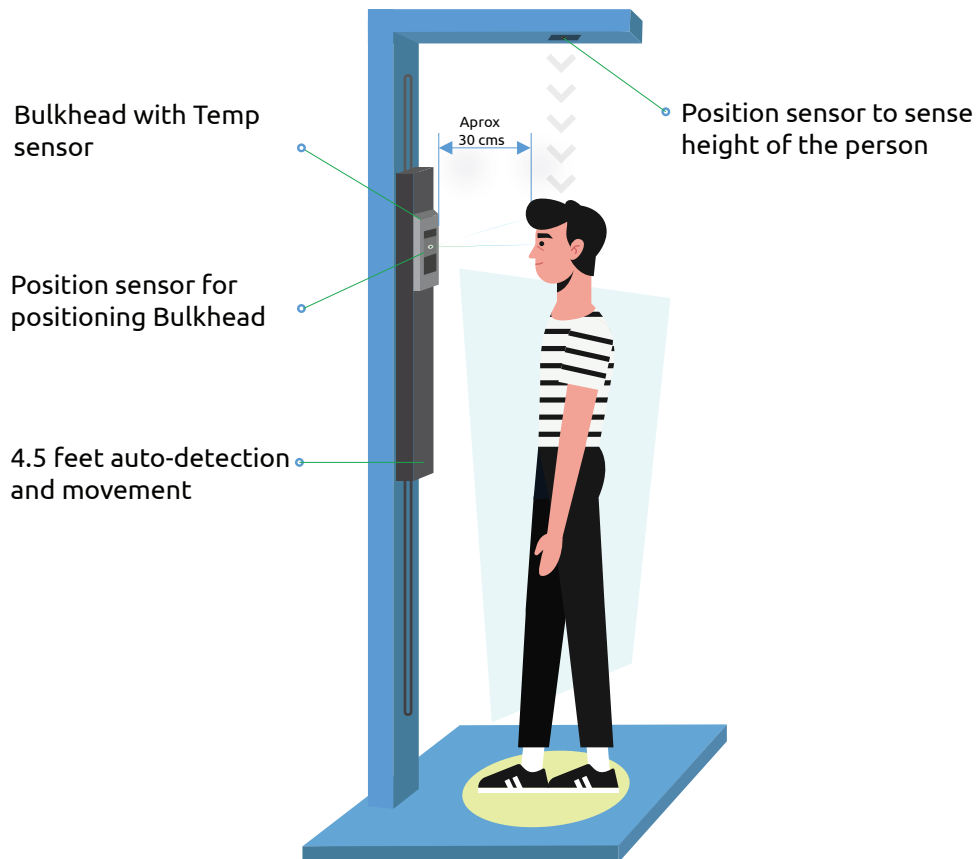
**5°  
FOV**



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



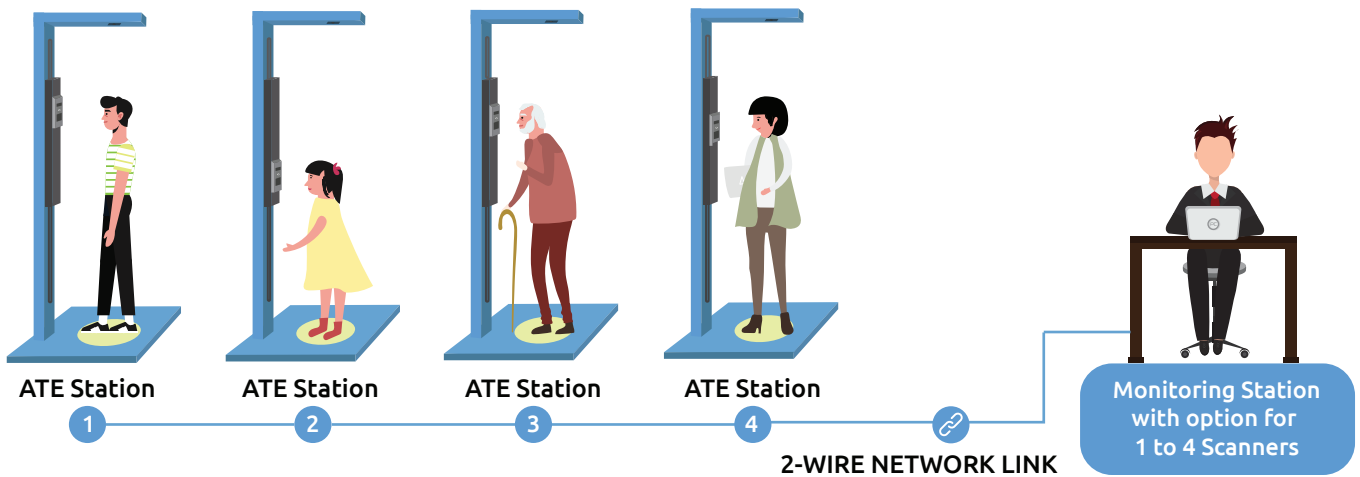
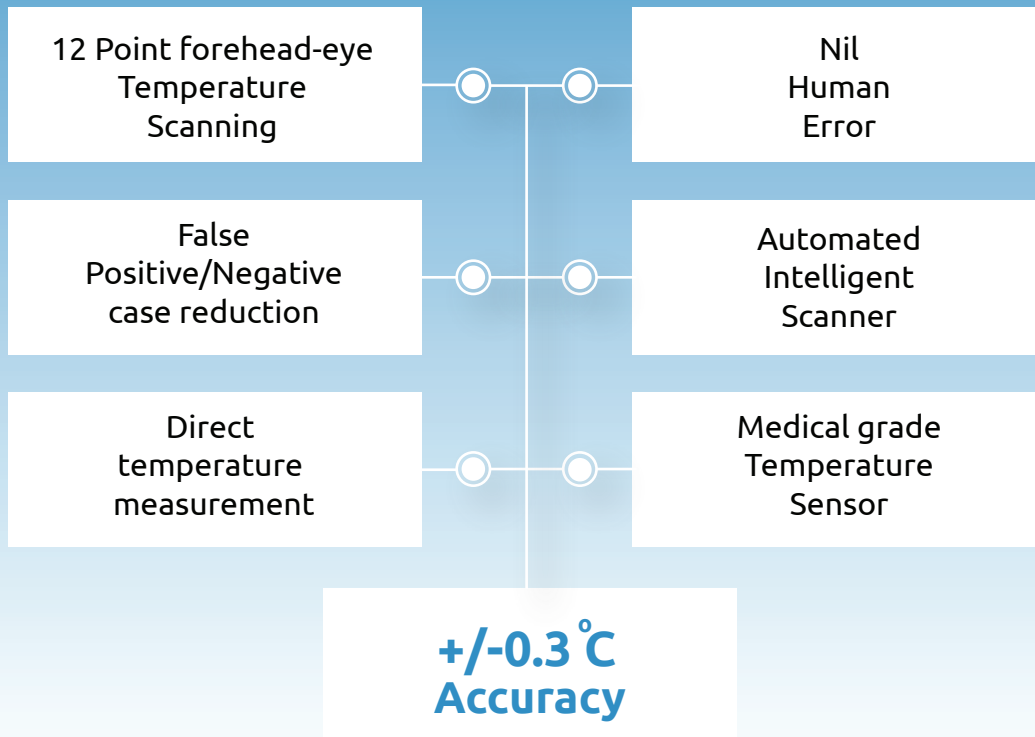
**500**  
Individuals can be  
scanned in an hour  
(2000 with four stations)



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

Elevated Body Temperature based on static and dynamic thresholds

Up to 1km total network connectivity

**Avatar Renewables Pvt. Ltd.**

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