

afs-100

Acrovision Fever screening solution



Why Use Fever Screening?

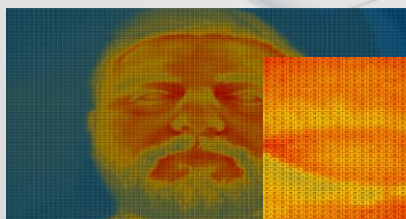
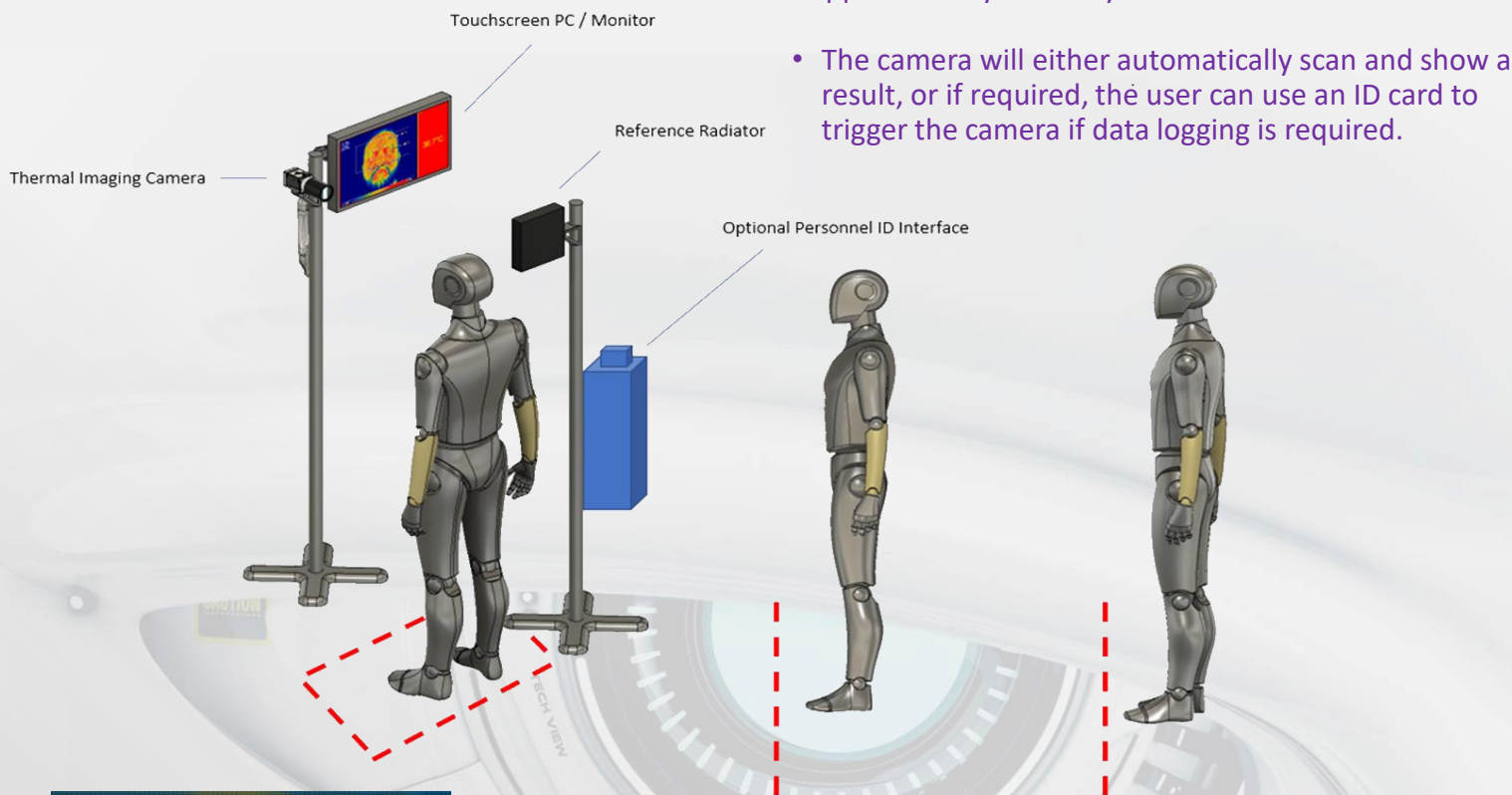
In current times, more than ever we need to be vigilant of fevers or virus's and in turn the wellbeing of staff and customers in public areas

We need to increase everyone's confidence in knowing they are entering a safe environment

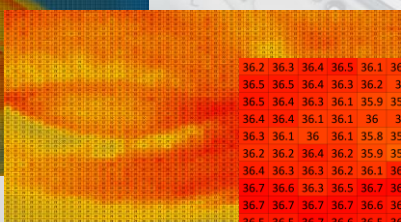
It is a quick and non-obtrusive method of indicating a person's high temperature, for further exact testing

How our Solution Works:

- User Simply walks up to the camera and pauses approximately 1m away.
- The camera will either automatically scan and show a result, or if required, the user can use an ID card to trigger the camera if data logging is required.



Infrared energy is emitted from the surface...



IR energy is converted to temperature...

36.2	36.3	36.4	36.5	36.1	36.1	36	35.6	35.5	35.5	35.3	34.9	34.1	
36.5	36.4	36.4	36.3	36.2	36	36	35.6	35.7	35.4	35.2	35.1	34.8	34.1
36.5	36.4	36.3	36.1	35.9	35.8	35.7	35.6	35.5	35.4	35.3	35.2	34.9	34.1
36.4	36.4	36.1	36.1	36	36	35.7	35.2	34.9	34.8	34.7	34.6	34.5	34.1
36.3	36.1	36	36.1	35.8	35.8	35.5	35.3	35.2	35.1	35.0	34.9	34.8	34.1
36.2	36.2	36.4	36.2	35.9	35.6	35.5	35.4	35.3	35.2	35.1	35.0	34.9	34.1
36.4	36.3	36.3	36.2	36.1	36.4	36.2	36.3	36.2	36.1	36.0	35.9	35.8	34.1
36.7	36.6	36.3	36.5	36.7	36.7	36.4	36.2	36.1	36.0	35.9	35.8	35.7	34.1
36.7	36.7	36.7	36.7	36.6	36.5	36.4	36.2	36.1	36.0	35.9	35.8	35.7	34.1
36.5	36.5	36.7	36.6	36.5	36.5	36.5	36.1	36.0	35.9	35.8	35.7	35.6	34.1
36.5	36.6	36.6	36.4	36.4	36.4	36.2	36.2	36.1	36.0	35.9	35.8	35.7	34.1
36.4	36.4	36.4	36.2	36.1	36.1	36	36.3	36.2	36.1	36.0	35.9	35.8	34.1

Temperature is scaled as colours...

36.1	36.4	36.2
36.7	36.7	36.7
36.6	36.5	36.5

Analysing every pixel in the area...



Highlighting the highest temperature as the result.

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Benefits of the afs-100 :

Simple to Install / Simple to Use

Meets ISO 80601-2-59 Regulations

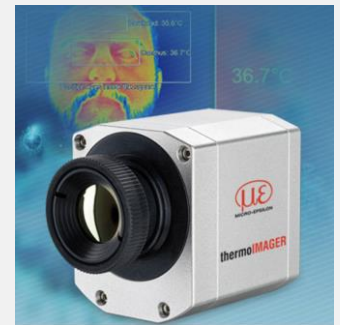
All-in-one Package – Hardware / Software / Host Interface

Uses State-of-the-art Imager with Certificated Calibration

Adheres to 2M Distancing Requirements

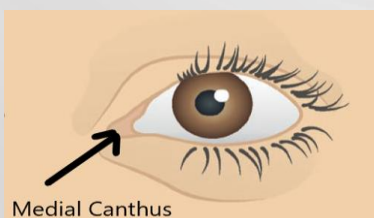
Optional Accessories – Alarms / Personnel ID etc.

Far more effective than Hand-Held devices...



Absolute camera accuracy

- Meets the requirements of ISO 80601-2-59, Safety and Performance of Temperature Screening of Humans
- Using the “Black Body Reference” we achieve accuracies of +/- 0.5 °C or better
- Calibrated Camera with 388x282 Pixels
- High resolution is important as the target to measure is the Medial Canthus, which covers an area less than 4mm
- The Medial Canthus area of the human body represents the closest correlation to our core temperature



Benefits of afs-100 vs IR Spot Gun

Our Solution:

- Determines the **MAXIMUM** temperature within the whole region
- Image created by lots of pixels
- Able to detect individual pixel temperatures
- Unobtrusive without need for a 3rd person intervention

IR Handheld Guns:

- Takes an average reading of a spot area
- The further away you are the bigger the spot becomes = less accuracy
- Forehead is not an accurate representation of core temperature
- Need to be within 2M!



Ideal for:

Factory / Office Receptions | Train Stations
Security Check Points | **Hospitals / Surgeries**
Leisure Facilities | Retail and Hospitality
Schools / Colleges / Universities | **Airports**

Please remember, Fever Screening solutions are only indicators of high temperature. Suspect instances should always be followed up with further investigation.