

# IRIS-EZ

Compact Fever Detecting System



IRIS-EZ can detect the people's temperature quickly less than 1 second and also it can detect the fever people who are infected by COVID-19, SARS, Zika, Ebola and other people having fever symptoms.



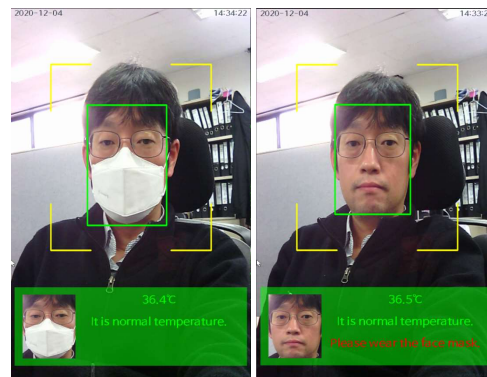
**Accuracy**  
Less Than Max  
 $\pm 0.3^{\circ}\text{C}$



**Large Area**  
**Screening**  
**Real-time Monitoring**



**Auto Capture**  
**Target (Rec.1~3.5 meter)**

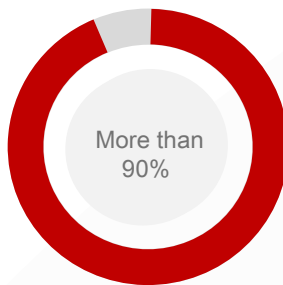


The Best Quarantine System in the world  
with the Face Recognition by AI Technology

# Why Medcore?

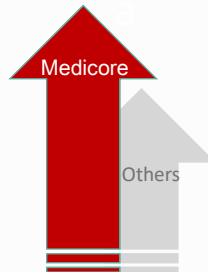
## ✓ The Biggest Market Share (in Domestic Market)

- Reliable Business & Technical Support



## ✓ High-Technology & Reliability

- World-Top Class Thermography Technology
- Holds Multiple Patents for Thermography Technology
- Developed a Digital Infrared Imaging System for the first in Korea



## ✓ Medical Background

- Medical Study for over 20 years in several universities and the research center
- Supports The Korean Society of Thermology
- Development on the basis of Medical Thermography Technology



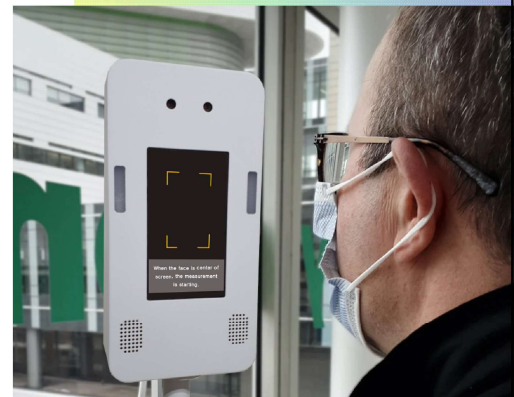
# IRIS-EZ?

IRIS-EZ Fever Screening System has been specifically designed for COVID-19, flu, virus and infection screening, used for large-scale temperature monitoring in crowded public places or high traffic areas, to detect any individual with a fever immediately.

This non-invasive system can be set up at the entrance of a public venue or a workplace to screen those entering for fever.

It will immediately display a warning, along with the captured image, of any individual with a temperature above your established threshold.

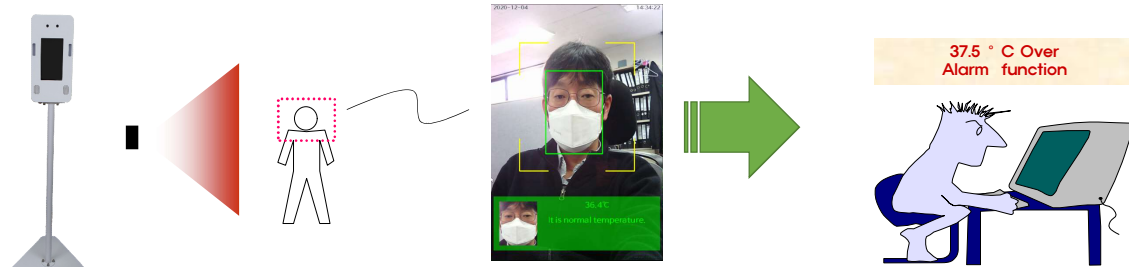
Those at risk be directed to get appropriate medical attention or to isolate themselves.



**Next-generation  
Thermal Scanning!**

Technology to help put your staff and customers at ease.

## How IRIS-EZ Works



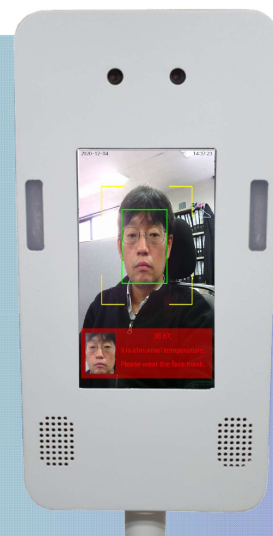
- IRIS-EZ can measure the skin surface temperature with high-accuracy thermopile scanner as individuals walk through your facility's entrance.
- IRIS-EZ is available to be used by itself without connecting a laptop or desktop PC.
- Temperatures above your predetermined threshold are immediately detected and an alarm sounds on the system along with a bright red warning sign.

## Three Points for Quarantine



**3 Elements for  
Detecting  
Coronavirus**

- **Compatible Detection Solution**
  - Non-contacting detection to avoid the 2<sup>nd</sup> infection
  - Best quality of technology for Infrared System  
(Developed the reference for medical use as the 1<sup>st</sup>)
- **Systematic Detection System**
  - Automatic calibration for every environmental temperature changes
  - Alarm function for Smart Phone (With Application)
- **Efficient Detection System**
  - Available to measure each person individually
  - Possible to measure a mass group simultaneously
  - Alarm function whether wearing mask or not



## Features



1. Available for both quarantine mode and monitoring mode
2. 100% Possible to detect the persons who wear masks, glasses and hats.
3. Recognize the face and body temperature quickly less than one second
4. By applying the AI Face Recognition algorithm, it increases the accuracy of detecting the infections in accordance with the environmental temperature change
5. If a person having a fever detected, it would send a message through a mobile by scanning the QR code. No need any operator stands by.



## Features



6. Easy to install and operate it simply
7. As the company that has developed the infrared thermography system for over 20 years.
8. Sounds if wearing a mask or not
9. Support 4 languages (Korean, English, Chinese, Japanese)
10. Both Celsius and Fahrenheit are available to set the temperature

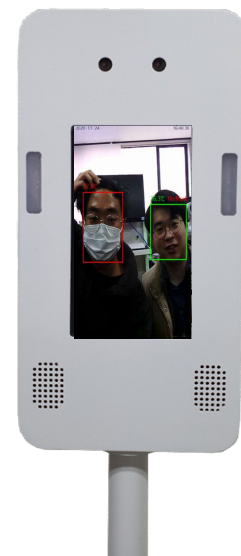


## Application



## Specification

- Measuring range : 10.0 ~ 45°C
- Resolution & pixel : less than max 0.05°C, 2592 x 1944 pixels
- Spatial Resolution(IFOV) : 1.13 mrad
- Focusing Range : 5cm ~ 100m
- Detector : Thermopile Array (80 x 64)
- Frame Rate: 30 fps
- Field of view : 45°
- Accuracy:  $\pm 0.3^{\circ}\text{C}$  (**Object's temperature: 32.0 ~ 42°C**)
- Operating Temperature: -10 ~ 65 °C
- Operation Time : 24 Hours
- GPU : 128-core Maxwell
- Storage : 32GB Class10 Micro SD card
- Screen Size : 7 inch / Touch Screen
- Configuration of the Product : Main body, User Manual, Power Cable
- Warranty: 1 year



# Intellectual Property Rights

## The World-Class Technology based on Intellectual Property Rights

Ref	Item	Date(y-m-d)	Article
Reg	Patent	2005-04-15	BGA Socket Test System
Reg	Patent	2005-05-16	Apparatus of infrared imaging device with infrared detector
Reg	Patent	2005-07-01	IR data compensating method of of in-circuit test system
Reg	Patent	2005-08-26	Optic apparatus of vision system system for circuit board testing
Reg	Patent	2005-09-29	IR In Circuit Test System
Reg	Patent	2005-10-19	Fixture for circuit board testing
Reg	Patent	2006-09-29	Universal Fixture for circuit board board testing
Reg	Patent	2012-08-10	Circuit board testing and its testing method

Ref	Item	Date(y-m-d)	Article
Reg	Practical	2000-09-18	Light apparatus for medical use
Reg	Design	2001-01-30	Infrared Thermography
Reg	Practical	2001-03-31	Therapeutic device for disk
Reg	Design	2002-04-12	Light stimulator for medical use
Reg	Patent	2003-09-18	Control method of infrared thermography
Reg	Patent	2004-10-14	Light stimulating apparatus for medical use
Reg	Patent	2005-05-26	ANS function test device
Reg	Patent	2009-01-05	ANS function test device(Japan) device(Japan)

Ref	Item	Date(y-m-d)	Article
Reg	Patent	2011-01-06	Thermal imaging system and its method
Reg	Patent	2011-07-29	Cardiovascular ANS test device device for diabetic neuropathy
Reg	Design	2013-11-07	Medical display terminal with image design and other 10 items
Reg	Patent	2016-02-03	Analyzing device and method for acceleration plethysmograph using frequency distribution in pulse wave type.
Reg	Patent	2016-05-13	Multi-functional headset containing osteo-conduction and neck mike.
PCT	Patent	Applied	Assessing device and its processing method of autonomic balance and regulation ability of ANS.

Thanks for your Attention !

Get in Touch  
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