

# ClearIR Viewing System

Non-Contact Infrared Temperature Screening Window and Barrier



## Protect Staff & Visitors

With a protective barrier between the people entering the building and the person tasked with monitoring temperatures, the sterile environment can be maintained.

## Customize Your Solution

Our Infrared temperature screening windows are available already installed in sanitary plexiglass barriers and we are able to manufacture custom solution barriers to work with any reception area or entry space.

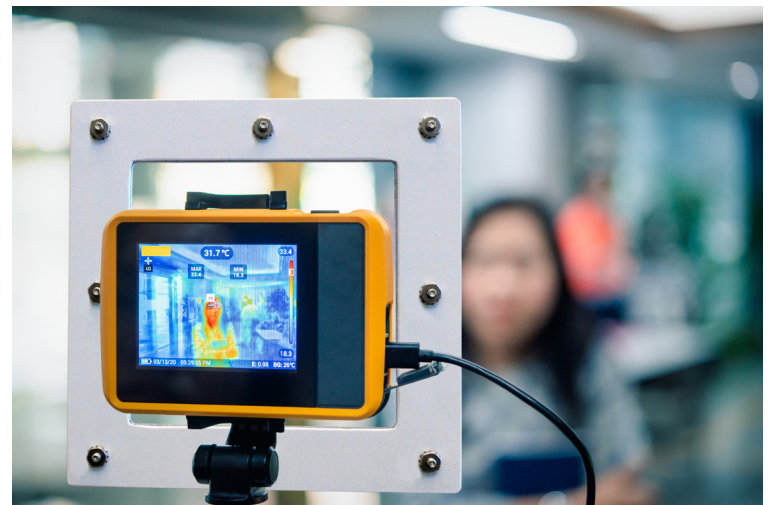
## Control Access

By setting up this system, facilities are able to monitor the body temperature of anyone entering and screen for people who may have a fever or be ill.

With the use of Infrared (IR) cameras and non-contact temperature measuring devices becoming more prevalent, users must understand certain restrictions in the use of this technology. IR radiation spans a broad region of wavelengths; the behavior of infrared light is not that different from visible light, except, of course, humans cannot see it. Another important fact is that IR radiation is absorbed by matter and will not pass through glass or commonly used plastics. Remember that just because you can see through a window doesn't mean that IR cameras can, it's a bit like you trying to look at someone through a brick wall!

To enable an IR camera or measuring device to be used behind secure and sterile environments, we have to provide an optical material that allows the transmission of infrared radiation. The design of the IRISS ClearIR viewing system will enable customers to simply install an infrared and visual viewing window within their current protective screens or order a standard or custom-built screen with an infrared window built into the plastic screen.

With the need for temperature screening to become the norm throughout our society, we have developed the ClearIR viewing system. By setting up this system, facilities are able to monitor the body temperature of anyone entering and screen for people who may have a fever or be ill. This will allow access to those who show a safe body temperature, while preventing anyone who may be ill from entering and spreading possible sickness.



# Specifications

Part Number	ClearIR-24	ClearIR-36
<b>General Specifications</b>		
Overall Window Height	15.88 cm (6.25 in)	15.88 cm (6.25 in)
Overall Window Width	15.88 cm (6.25 in)	15.88 cm (6.25 in)
Overall Barrier Height	60.96 cm (24 in)	91.44 cm (36 in)
Overall Barrier Width	60.96 cm (24 in)	91.44 cm (36 in)
Operating Temperature	-40°C (-40°F) to 273°C (523°F)	
Window Body Material	Powder Coated 5052 Aluminum	
Barrier Material	Polycarbonate	
Hardware Material	316 Stainless Steel	
<b>Optic Specifications</b>		
Viewing Aperture Height	10.80 cm (4.25 in)	
Viewing Aperture Width	10.80 cm (4.25 in)	
Optic Material	Poly-View™ UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)	
<b>Inspection Capabilities and Applications</b>		
Midwave IR and Longwave IR; Ultraviolet (UV); Visual Inspection		

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.iriss.com](http://www.iriss.com)

**\* This product is specifically designed for non-industrial temperature measurement and is not suitable for installation into environmental, electrical or mechanical systems**

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