

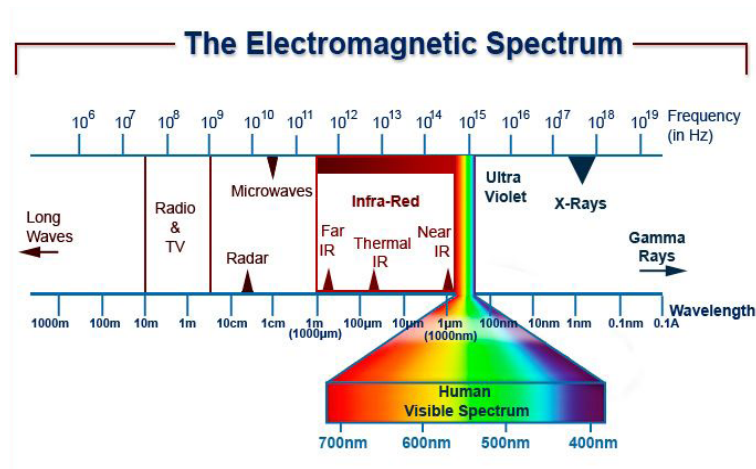
ClearIR Series

Non-Contact Infrared Temperature Screening Window



Overview

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.

IRISS is a global leader and recognized experts in providing infrared viewing systems to clients all over the world. The electrical services industries primarily use our infrared window systems for the visual and infrared inspections of electrical components in enclosed equipment.

It is this expertise in designing and building systems for looking into electrical boxes that have allowed us to develop the ClearIR viewing systems to assist customers now facing a new issue relating to monitoring the temperature of people entering their buildings or secure sterile areas. I guess you can say this time we're thinking outside of the box!!

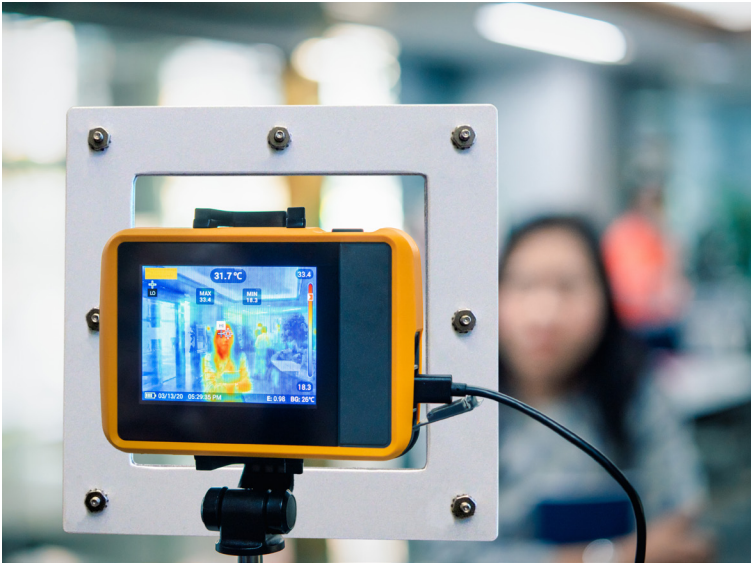
With the need for temperature screening to become the norm throughout our society, we have developed the ClearIR viewing system. By setting up this system, facilities are able to monitor the body temperature of anyone entering and screen for people who may have a fever or be ill. This will allow access 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-4-AW
General Specifications	
Overall Height	15.88 cm (6.25 in)
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Operating Temperature	-40°C (-40°F) to 273°C (523°F)
Body Material	Powder Coated 5052 Aluminum
Hardware Material	316 Stainless Steel
Optic Specifications	
Viewing Aperture Height	10.80 cm (4.25 in)
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Optic Material	Poly-View™ UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Inspection Capabilities and Applications	
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

*** 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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