



The VP-12-IR

Because Sometimes a Smaller Infrared Window is All You Need

The VP-12-IR's 12mm viewing area was designed for tight areas or for use with infrared (IR) cameras with smaller, wider angle lens systems. While the VP-12-IR is small in size, it is still big on features. The polymer lens material and switchgear grade plastics assures compliance by maintaining an IP65/NEMA 4 seal whether open or closed. With the smaller footprint of the VP-12-IR, it could be the answer for providing a thermographer access to more challenging areas. This will allow monitoring of equipment that would not have been possible with a larger window.

Any Camera - Any Task

The exclusive industrial-grade, reinforced polymer optic allows any thermographic camera to monitor completely undisturbed assets inside electrical equipment. The IRISS Polymer optics work with all ranges of Infrared, Ultraviolet and Visual Inspection Cameras.

Fixed and Stable Transmission

Polymer based infrared windows are unaffected by the environmental and mechanical stresses that degrade the transmission of crystal based IR windows which are fragile and hygroscopic (even when coated). The polymer IR window systems will maintain fixed and stable transmission (FAST) for the life of the installation ensuring that the temperature data collected through the IR window is accurate and reliable for the whole life of the installation.

Features



Environmental Design



Durable and Rugged



Anti-Fogging Optic



Unconditional Lifetime Warranty



Proudly Made in the United States

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Specifications

Model	VP-12-IR
General Specifications	
NEMA Rating	IP65 / NEMA 4
Voltage Range	Any
Operating Temperature	-40°C (-40°F) to 273°C (523°F)
Body and Cover Material	UL 94 5VA Nylon (switchgear-grade plastic); -40°C (-40°F) to 273°C (523°F); aluminum cover
Hardware	316 Stainless Steel
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
Dimension and Optic Specifications	
Optic Material	UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Viewing Aperture Dimensions	1.2 cm (0.5 in) Ø
Overall Dimensions	6.5 cm (2.6 in) Ø
Overall Thickness	2.6 cm (1.0 in)
Inspection Capabilities and Applications	
Midwave IR	Yes
Longwave IR	Yes
Ultraviolet (UV)	Yes
Medium/High Voltage Applications	Yes
Outdoor Applications	Yes
Other	
Warranty	Unconditional Lifetime Warranty

Certifications

UL & cUL Certifications:

- UL 50V & UL 50E
- UL 746C & UL 746A-2012
- UL 1558
- UL 508A/ ANSI 508A

CSA Certifications:

- CSA C22.2 No. 14-13
- CSA C22.2 No. 14-10
- CSA C22.2 NO. 94-M91
- CSA C22.2 NO. 94.1-07
- CSA C22.2 NO. 94.2-07

IEEE Certifications:

- IEEE C37.20.7 Type 2B

IEC Certifications:

- IEC 62271-200
- IEC 60068-2-6:2007
- IEC 60068-2-3
- IEC 60068-2-78:2012

Other:

- IP65/NEMA 4
- American Bureau of Shipping (ABS)
- DNV P261.1E Maritime, Vessel and Offshore
- Lloyds of London Type Approval



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iriss.com