

# 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. This keeps your energized electrical equipment in a closed and guarded condition, allowing your thermographers to work safely and efficiently.

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. The durability, flexibility and proven transmission stability of IRISS polymer IR windows continues with the VP-12-IR.



## Protected by our unconditional lifetime warranty

### Specifications

Materials	
Window Housing and Cover	UL 94 5VA Nylon (switchgear-grade plastic); -40°C (-40°F) to 273°C (523°F); Easy-Grip™ stainless steel cover
Optic	UL 746 compliant, IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
Hardware	316 stainless steel

Other	
Useful Temperature Rating	-40°C (-40°F) to 200°C (392°F)
Water and Dust Ingress	IP65 / NEMA 4: closed and when in use

### Dimensions

Model	Body Diameter	Port Diameter	Assembly Thickness
VP-12-IR	6.5 cm (2.6 in)	1.2 cm (0.5 in)	2.6 cm (1.0 in)

**Caution:** The dimensions listed above are not installation dimensions. Do NOT cut prior to receiving your IRISS window and installation template.

### VP-12-IR Feature:

- The world's only industrial-grade IR window series
- Fixed And Stable Transmission (FAST)
- Made especially for small targets or small IR camera lens apertures
- Lockable cover maintains IP65/NEMA 4 seal when closed and open
- 1.2 cm (0.5 inch) port complies with IP2x standard for safe maximum hole size in switchgear to prevent accidental insertion of body parts
- Manufactured from non-conductive UL 94 plastics insulated to 30kV/mm
- Impact and flame resistant as per UL and IEEE standards
- Optional Easy-Grip™ stainless steel cover
- Fitting templates and instructions included

### Certifications:

- Certified by UL (USA) & cUL (Canada) to the following standards:
  - 50V
  - 50E
  - 746C: Impact and Flammability
  - 1558: Impact and Load Resistance
  - 508A; ANSI 508A
- IEEE C37 20.2.a.3.6: Impact and Load
- IP65 / NEMA 4
- Lloyds of London Type Approval
- American Bureau of Shipping (ABS)
- BSI Quality ISO 9001 Certified System
- CSA C22.2 No. 14-13
- DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications