

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 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**.

Optional Easy-Grip™ stainless steel cover available.



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); optional 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, VP-12-IR-M | 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 Features:

- 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
- Housing manufactured using non-conductive, UL 94 switchgear-grade 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 in the USA & Canada to the following standards:
 - UL 50V
 - UL 50E
 - UL 746C: Impact and Flammability
 - UL1558: Impact and Load Resistance
 - UL 508A; ANSI UL 508A
- IEEE C37 20.2.a.3.6: Impact and Load
- IP65 / NEMA 4
- Lloyds of London Type Approval
- American Bureau of Shipping (ABS)
- CSA C22.2 No. 14-10

