

CAP-V Series

Separate Visual and IR Windows in One

The CAP-V Series adds a visual viewing pane that allows visual and infrared (IR) inspections to be completed simultaneously.

The entire CAP Series was designed to comply with all mandatory impact, load and flammability requirements; industrial standards NO crystal or non-reinforced polymer IR window can possibly meet.



The CAP-VC offers locking covers for your IR window. These are useful in areas of high traffic and protect the IR and visual viewing panes from impacts, flying debris and dust. Available in two protective cover options:

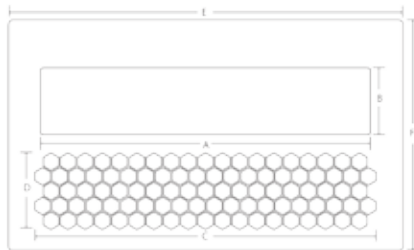
- **CAP-VC** range offers a protective cover for the IR window
- **CAP-VCH** range offers a single cover for both IR window and visual viewing pane

Protected by our unconditional lifetime warranty

Specifications

| Materials | |
|--------------------------|---|
| Window Housing and Cover | Standard product construction of aluminum; custom materials available |
| 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 | Visual Window | IR Window | Overall Dimensions |
|---------------------------------|--|--|--|
| CAP-V-6, CAP-VC-6, CAP-VCH-6 | A= 9.7 cm (3.8 in), B= 5 cm (1.95 in) | C= 9.1 cm (3.6 in), D= 5.8 cm (2.3 in) | E= 16 cm (6.3 in), F= 21.8 cm (8.6 in) |
| CAP-V-12, CAP-VC-12, CAP-VCH-12 | A= 23.9 cm (9.4 in), B= 5 cm (1.95 in) | C= 23.6 cm (9.3 in), D= 5.8 cm (2.3 in) | E= 30.5 cm (12.0 in), F= 20.6 cm (8.1 in) |
| CAP-V-24, CAP-VC-24, CAP-VCH-24 | A= 54.1 cm (21.3 in), B= 5 cm (1.95 in) | C= 53 cm (20.9 in), D= 5.8 cm (2.3 in) | E= 61 cm (24.0 in), F= 21.8 cm (8.6 in) |

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

CAP-V Series Feature:

- Separate visual and IR viewing panes allow for dual inspection
- Durable, fully impact-resistant
- Fixed And Stable Transmission (FAST)
- Proven compatibility with acids, alkalis, UV, moisture, humidity, vibration and high frequency noise
- Reinforcing grills comply with IP2x standard for safe maximum hole size and fail-safe design
- Optional cover with locking catches
- Customizable; if you don't see what you need in the standard offering you can configure:
 - Housing Materials
 - Gaskets
 - Locking Devices
 - Labeling
 - Color
- 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