The CAP-CT Series

No Other Infrared Window is as Versatile as the CAP-CT

The CAP-CT Series has the largest visually clear infrared (IR) transmissive viewing area available. The exclusive pharmaceutical-grade reinforced Poly-View System™ polymer allows any thermography camera to monitor completely undisturbed assets inside energized electrical equipment in the visual, UV and shortwave, midwave and longwave IR spectrums. The larger rectangular viewing area provides an unparalleled field of view when compared to traditional round IR windows. The CAP-CT offers locking covers for your IR window. These are useful in areas of high traffic and protect the IR viewing panes from impacts, flying debris and dust. Constructed from aluminum, the CAP-CT series is recommended for all indoor applications.

Unparalleled Field of View

Unlike the round infrared windows, the large format IRISS CAP series and custom infrared windows have a far superior field of view (FOV). The CAP-CT-24 series has over 6 times the FOV of a 4 inch diameter round window which gives the thermographer the ability of infinite viewing angles inside the switchgear.

Fixed and Stable Transmission

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

- Arc Containment Tested
- Durable and Rugged
- Poly-View™ Optic
- E Sentry Connect Asset Management
- Customizable
- Anti-Fogging Optic
- Unconditional Lifetime Warranty
- Proudly Made in the United States

US
+1 (941) 907 9128

LATAM
+1 (941) 704-4445

EMEA
+1 (941) 704-4445

iriss.com

Specifications

Model	CAP-CT-4	CAP-CT-6	CAP-CT-12	CAP-CT-18	CAP-CT-24
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	Powder Coated 5052 Aluminum				
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)				
Optic Reinforcing Grill Material	Aluminum Reinforcing Grill (IP22/ IP2x Standard)				
Viewing Aperture Dimensions	L= 9.68 cm (3.81 in) H= 9.77 cm (3.85 in)	L= 9.1 cm (3.6 in) H= 15 cm (5.9 in)	L= 23.6 cm (9.3 in) H= 12.7 cm (5.0 in)	L= 39 cm (15.4 in) H= 15 cm (5.9 in)	L= 53 cm (20.9 in) H= 15 cm (5.9 in)
Overall Dimensions	L= 15.24 cm (6 in) H= 15.24 cm (6 in)	L= 16 cm (6.3 in) H= 21.8 cm (8.6 in)	L= 30.5 cm (12.0 in) H= 20.6 cm (8.1 in)	L= 45.7 cm (20.9 in) H= 21.8 cm (8.6 in)	L= 61 cm (24.0 in) H= 21.8 cm (8.6 in)
Inspection Capabilities and Applications					
Midwave IR	Yes				
Longwave IR	Yes				
Ultraviolet (UV)	Yes				
Visual Inspection	Yes				
Medium/ High Voltage 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 N0. 94-M91
- CSA C22.2 N0. 94.1-07
- CSA C22.2 N0. 94.2-07

IEEE Certifications:

- IEEE C37.20.7 Type 2B
- IEEE C37 20.2.a.3.6

IEC Certifications:

- IEC 62271-200
- IEC 60262271-200
- IEC 60298 Appendix A
- 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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