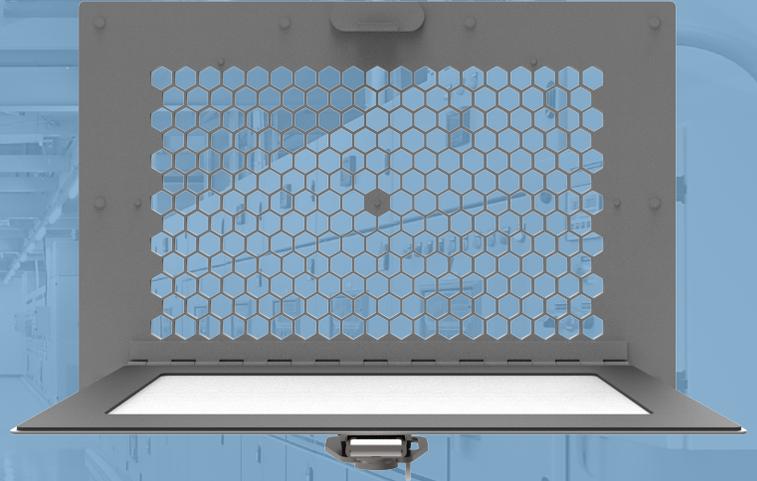# CAP-CT Series

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

Durable and Rugged

Polymer-based IR windows are far more able to resist the mechanical stresses applied to IR window that are fitted to electrical distribution equipment.

Arc Containment Tested

The CAP-CT Series was successfully tested to the IEC 62271-200 standard for arc containment on metal enclosed switchgear assemblies.

See More During Inspection

The large format IRISS CAP series and custom infrared windows have a far superior field of view.

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.

Specifications

Part Number	CAP-CT-4	CAP-CT-6	CAP-CT-12	CAP-CT-18	CAP-CT-24
General Specifications					
Overall Height	15.24 cm (6 in)	21.8 cm (8.6 in)	20.6 cm (8.1 in)	21.8 cm (8.6 in)	21.8 cm (8.6 in)
Overall Width	15.24 cm (6 in)	16 cm (6.3 in)	30.5 cm (12.0 in)	45.7 cm (18 in)	61 cm (24.0 in)
IP/ NEMA Environment Rating	IP65 / NEMA 4				
Operating Temperature	-40°C (-40°F) to 273°C (523°F)				
Body Material	Powder Coated 5052 Aluminum				
Gasket Material	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)				
Hardware Material	316 Stainless Steel				
Voltage Range	Any				
Automatically Grounded	Yes				
Optic Specifications					
Viewing Aperture Height	9.77 cm (3.85 in)	15 cm (5.9 in)	12.7 cm (5.0 in)	14 cm (5.5 in)	15 cm (5.9 in)
Viewing Aperture Width	9.68 cm (3.81 in)	9.1 cm (3.6 in)	23.6 cm (9.3 in)	39 cm (15.4 in)	53 cm (20.9 in)
Optic Material	Poly-View™ 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)				
Inspection Capabilities and Applications					
	Midwave IR and Longwave IR; Ultraviolet (UV); Visual Inspection; Medium/High Voltage Applications				
Certifications					
	Certified by UL (USA) & cUL (Canada) to the following standards: 50V, 50E, 756C: Impact and Flammability, 746C & 746A-2012, 1558: Impact and Load Resistance, 508A: ANSI 508A				
	CSA C22.2 No. 14-13, C22.2 No. 14-10, C22.2 No. 94-M91, C22.2 No.94.1-07, C22.2 No. 94.2-07				
	IP65 / NEMA 4				
	Lloyds of London Type Approval				
	American Bureau of Shipping (ABS)				
	DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications				
	IEEE C37 20.7 Type 2B, C37 20.2.a.3.6: Impact and Load				
	IEC 62271-200, 60262271-200,60298 Appendix A, 60068-2-6:2007, 60068-2-3, 60068-2-78:2012				
Other					
Warranty	Unconditional Lifetime Warranty				

*Caution: These dimensions are not installation dimensions. Do NOT cut prior to receiving your IRISS IR window and installation template. Specifications are subject to change without notice. For the most up-to-date specs, go to www.iriss.com