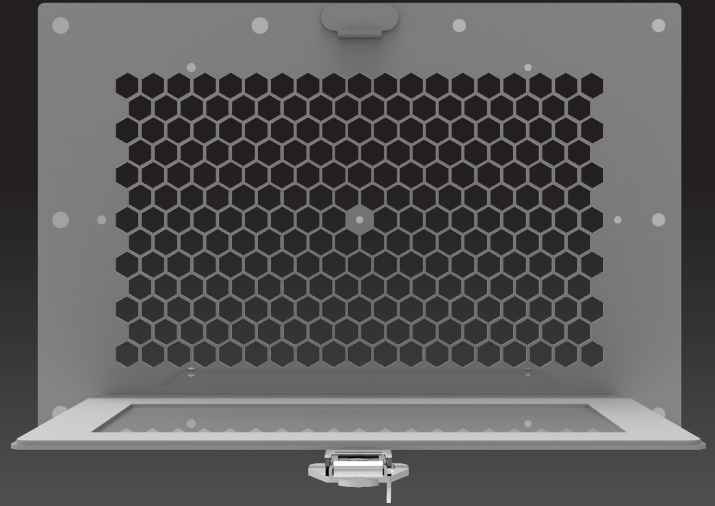


## Overview

The CAP-CT Series has the largest visually-clear infrared (IR) transmissive viewing area available. The patented reinforced Poly-View System™ polymer optic 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.



## Key Features



### Unparalleled Field of View

Over 6x the FOV of a 4-inch diameter round window, giving the thermographer the ability of infinite viewing angles inside the switchgear.



### Durable and Rugged

Polymer-based IR windows are far more able to resist the mechanical stresses of electrical and mechanical applications.



### Fixed & Stable Transmission

The polymer IR window systems will maintain fixed and stable transmission (FAST) for the life of the installation.



### Patented Poly-View Optic

Our exclusive polymer technology is unaffected by environmental stresses, and enables visual, IR, and UV inspections.



### UL Listed

Having passed rigorous standards and testing, our inspection windows are UL Listed (E 491496).



### Unconditional Lifetime Warranty

The IRISS unconditional lifetime warranty is unique in the IR industry applying to both the IR window housing and optic.



# Specifications

Model	CAP-CT-4	CAP-CT-6	CAP-CT-12	CAP-CT-18	CAP-CT-24
<b>General Specifications</b>					
Overall Height	15.24 cm (6.00 in)	21.74 cm (8.56 in)	20.55 cm (8.09 in)	21.74 cm (8.56 in)	21.74 cm (8.56 in)
Overall Width	15.24 cm (6.00 in)	16.00 cm (6.30 in)	30.48 cm (12.00 in)	45.72 cm (18.00 in)	60.96 cm (24.00 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				
<b>Optic Specifications</b>					
Viewing Aperture Height	9.78 cm (3.85 in)	16.15 cm (6.36 in)	14.02 cm (5.52 in)	14.02 cm (5.52 in)	14.02 cm (5.52 in)
Viewing Aperture Width	9.68 cm (3.81 in)	9.68 cm (3.81 in)	23.19 cm (9.13 in)	39.14 cm (15.41 in)	53.85 cm (21.20 in)
Optic Material	Poly-View™ UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 273°C (523°F)				
Optic Reinforcing Grill Material	Aluminum Reinforcing Grill (IP22/ IP2x Standard)				
<b>Inspection Capabilities and Applications</b>					
Midwave IR and Longwave IR; Ultraviolet (UV); Ultrasound; Visual Inspection; Medium/High Voltage Applications					
<b>Certifications</b>					
UL Listed (E491496)					
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					
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					
IEEE 60980-344:2020 Seismic Qualification					
IEC 62271-200, 60262271-200,60298 Appendix A, 60068-2-6:2007, 60068-2-3, 60068-2-78:2012					
<b>Other</b>					
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](http://www.iriss.com)

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