

VERSATILE INFRARED WINDOW

PROVIDES UNPARALLELED VISION

ICI's Rectangular IR Window series has the largest visually-clear infrared transmissive viewing area available. The exclusive reinforced polymer allows any thermography camera to monitor completely undisturbed assets inside energized electrical equipment in the visual, UV, shortwave, midwave, and longwave IR spectrums. The larger rectangular viewing area provides an unparalleled field of view when compared to traditional round IR window. Designed with locking covers to protect the IR viewing panes from impacts, flying debris, and dust. Constructed from aluminum, the IR Window series is recommended for all indoor applications.



12" Rectangular IR Window



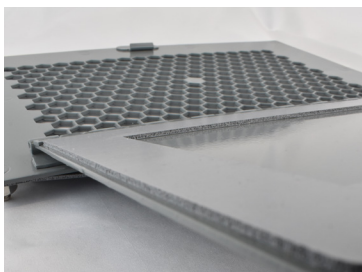
DURABLE AND RUGGED

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



ARC CONTAINMENT TESTED

The Rectangular IR Window series was successfully tested to the IEC 62271-200 standard for arc containment on metal enclosed switchgear assemblies.



UL LISTED

Having passed rigorous standards and testing, our inspection windows are UL Listed (E491496). This demonstrates our dedication to continued safety and security in the ever-changing world of electrical power and distribution.



ICI's Rectangular IR Window series operates in temperatures from -40 °C to 273 °C (-40 °F to 523 °F). The reinforced polymer allows thermographers to monitor completely undisturbed assets inside energized electrical cabinets. Inspection windows can be quickly installed on switchgear and MCC panel covers, as well as transformers and other electrical equipment. Constructed from aluminum, the IR Window series is recommended for all indoor applications.

Features

- Withstands high temperatures
- High level of safety and reliability
- Unparalleled field of view
- Tested and certified
- Fast and easy installation
- Constructed from aluminum
- Locking covers

Applications

- Midwave IR (MWIR)
- Longwave IR (LWIR)
- Ultraviolet (UV)
- Visual Inspections
- Medium/High Voltage Applications

	12"	18"	24"
General Specifications			
Overall Height *	206 mm (8.1 in)	218 mm (8.6 in)	218 mm (8.6 in)
Overall Width *	305 mm (12.0 in)	457 mm (18 in)	610 mm (24.0 in)
IP Rating/ NEMA Protection	IP65 / NEMA 4		
Operation Range	-40 °C to 273 °C (-40 °F to 523 °F)		
Body Material	Powder coated 5052 Aluminum		
Gasket Material	UL 94 5VA TPE; -40 °C to 273 °C (-40 °F to 523 °F)		
Hardware Material	316 Stainless Steel		
Voltage Range	Any		
Automatically Grounded	Yes		
Optic Specifications			
Viewing Aperture Height	127 mm (5.0 in)	140 mm (5.5 in)	150 mm (5.9 in)
Viewing Aperture Width	236 mm (9.3 in)	390 mm (15.4 in)	530 mm (20.9 in)
Optic Material	Poly-View™ UL 746 compliant, visual, UV and IR transmissive polymer; -40 °C to 325 °C (-40 °F to 617 °F)		
Optic Reinforcing Grill Material	Aluminum Reinforcing Grill (IP22/ IP2x Standard)		
Certifications			
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 IEC 62271-200, 60262271-200,60298 Appendix A, 60068-2-6:2007, 60068-2-3, 60068-2-78:2012			

*These dimensions are not installation dimensions. Do NOT cut prior to receiving IR window and installation template.