

## Industrial-Grade Infrared Windows



Why risk personnel safety, plant assets, and OSHA's wrath? Exiscan manufactures "bullet proof" IR windows designed to eliminate risk, protect your assets and save you money.

### Eliminate Risks

Comply with electrical safety mandates like NFPA 70E and CSA Z462, by providing safer access for thermographers to trouble-shoot electrical switchgear, and other

electrical applications. Because the Exiscan IR windows maintain a NEMA/IP seal while thermographers perform IR surveys, personnel are separated from energized electrical conductors and circuit parts per electrical safety mandates.

The non-intrusive inspection process controls risk by virtually eliminating the possibility of worker-initiated electrical hazards during inspection, making them a natural choice for any facility that places a premium on risk mitigation and safe work practices. Patent pending design features create "bullet-proof" protection to guard against blast effects when the window is closed.

### Lean & Green™

Work process improvements resulting from closed panel inspections are 75% to 95% more efficient than open-panel inspections. The result is an almost immediate ROI -- in as little as the first inspection cycle. The simplicity, safety and efficiency of the inspection means that more frequent and meaningful inspections become the norm so that energy wasting faults are

systematically banished from your facility. More efficient use of labor, more efficient use of energy... Exiscan IR windows will help your facility see GREEN in more ways than one.



## Features

- ❑ **Rugged:** Housing and cover machined from bar-stock aluminum or stainless steel.
- ❑ **Structural Integrity:** Unique design bolts through the panel in *eight* positions, through patent pending oversized stainless steel reinforcing plate to ensure seal to flat surface, even in the event of panel distortion.
- ❑ **Impact Resistant:** Proprietary design compatible with IEEE/ANSI and UL standards for impact resistance of inspection optics on electrical applications.
- ❑ **Larger Viewing Area:** Square aperture results 28% to 55% *more viewing area* compared to similar sized round inspection windows.
- ❑ **Ease of Use:** Patent pending *hinged* cover with spring-loaded captive bolts for one-handed access.
- ❑ **Stable Transmission:** Optic material unaffected by moisture, humidity, vibration, and high-frequency noise. Warranted against transmission loss.
- ❑ **Documentation:** Inside cover contains usage instruction and asset ID notes for new or rotating personnel.
- ❑ **Standards Compliant:** Complies with NFPA 70E/Z463 mandates to maintain equipment in an enclosed state while energized (unlike an open port design).
- ❑ ***PROUDLY MADE IN USA***

*Patent Pending*

More information: [www.Exiscan.com](http://www.Exiscan.com)

Pricing Reflects US List Price Only.

Prices and specifications subject to change without notice.

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# DATA SHEET

## XIR Series



### UL / cUL Recognized

- UL 50V (infrared Window Standard)
- UL 746C (Impact & Flamability)
- UL Type 4 rating

### Other Tests & Standards

- ANSI C37.20.2: A.3.6 (Impact & Load Resistance)
- ANSI C37.20.7 (Arc Resistance Test -- 100kA)
- IP 65 (Ingress Protection)
- NEMA 4 -- XIR-A-#-# Series (Environmental Class)
- NEMA 4X -- XIR-S-#-# Series (Environmental Class)

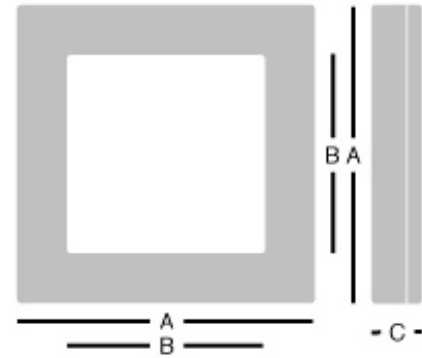
### Compatibilities

- Compatible with all brands of infrared cameras
- Compatible with broad range of acids & alkalis
- Compatible with vibrating applications
- Operating temperature rating, based on optic: -40°C (-40°F) to 200°C (392°F)

### Lifetime Warranty

Exiscan selects industrial-grade materials and designs to the highest standards. As a result, we can offer our customers a "No-Strings Attached, Lifetime Warranty."

If we fail to live up to your expectations, we will repair or replace your Exiscan product at no charge. It's as simple as that.



Model	Dimension	Inches	mm
XIR-#-3	A	4.97	126.2
	B	3.00	76.2
	C	0.88	22.4
XIR-#-4	A	5.97	151.6
	B	4.00	101.6
	C	0.88	22.4

Model	Component	Material
XIR-A-#	Body & Cover	Anodized Aluminum
XIR-S-#	Body & Cover	Stainless Steel
XIR-#-#	Fasteners	Stainless Steel
XIR-#-#	Hinge & Back Plate	Stainless Steel
XIR-#-#	Gaskets	Silicone & Neoprene
XIR-#-#	Optic	Transmissive Polymer

### Ordering Information:



#### Housing Material:

A = Anodized Aluminum  
S = Stainless Steel

#### Size of Optic Area:

3 = 3" (75mm) Optic Area  
4 = 4" (100mm) Optic Area

#### Cover Screw Type:

H = Standard Hex Head Screws  
S = Hex Safety Screw  
P = Philips Head Screw  
T = Torx Head Screw  
X = Torx Safety Screw



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