LARGE FORMAT INFRARED INSPECTION WINDOWS

FLIR IRW-xPC/xPS™

The FLIR IRW-xPC and IRW-xPS joined the existing FLIR IR Window family to help you inspect more efficiently, make inaccessible components accessible, and save money by preventing unplanned downtime. The rectangular polymer windows are impact resistant and provide the largest viewing area available to monitor completely undisturbed assets inside energized electrical equipment. IRW-xPC and xPS are durable and stable in harsh environments, making them suitable for most industrial settings as well as for shipboard use. If you're looking for a cost-effective solution for industrial installations, FLIR has you covered.

www.flir.com/IR-windows

WORK SAFELY AND EFFICIENTLY

Inspect energized electrical equipment quickly without compromising safety

- Inspect energized equipment without opening the panel door
- Meet IP2x standard for safe maximum hole size and fail-safe design
- Tested and certified to the highest industry standards
- IRW-xPC recommended for indoor applications / IRW-xPS recommended for outdoor applications

DURABLE AND RELIABLE

Use long term in industrial environments without risk of deterioration

- Durable with fully impact-resistant optics
- Maintains fixed and stable transmission to ensure that the temperature data collected is accurate and reliable
- Proven compatibility with acids, alkalis, UV, moisture, humidity, vibration, and high frequency noise
- Protect viewing panes from flying debris, dust, or impact with the lockable window covers

SEE MORE

Gain access to components not typically covered by inspection programs

- Get an unparalleled field of view with the large, rectangular viewing area
- Made with an impact-resistive polymer lens material that allows for large window designs
- Monitor using inspection tools operating in the visual, UV, and across the IR spectrum

SPECIFICATIONS

Part Number	IRW-6PC	IRW-12PC	IRW-24PC	IRW-6PS	IRW-12PS	IRW-24PS
Overall Height	21.8 cm (8.6 in)	20.6 cm (8.1 in)	21.8 cm (8.6 in)	21.8 cm (8.6 in)	20.6 cm (8.1 in)	21.8 cm (8.6 in)
Overall Width	16 cm (6.3 in)	30.5 cm (12.0 in)	61 cm (24.0 in)	16 cm (6.3 in)	30.5 cm (12.0 in)	61 cm (24.0 in)
Optic Specifications						
Aperture Overall Height	15 cm (5.9 in)	12.7 cm (5.0 in)	15 cm (5.9 in)	15 cm (5.9 in)	12.7 cm (5.0 in)	15 cm (5.9 in)
Aperture Overall Width	9.1 cm (3.6 in)	23.6 cm (9.3 in)	53 cm (20.9 in)	9.1 cm (3.6 in)	23.6 cm (9.3 in)	53 cm (20.9 in)
Optic Temperature Range	-40°C to 325°C (-40°F to 617°F)					
Materials and Ratings						
IP/ NEMA Environment Type	IP65 / NEMA 4x			IP67 / NEMA 6		
Maximum Operating Temperature	-40°C to 200°C (-40°F to 392°F)			-40°C to 273°C (-40°F to 523°F)		
Body Material	Aluminum			Powder Coated Stainless Steel		
Optic Reinforced Grill Material	Aluminum Reinforcing Grill (IP22/ IP2x Standard)			Stainless Steel Reinforcing Grill (IP22/ IP2x Standard)		
Optic Material	UL 746 compliant, visual, UV and IR transmissive polymer; -40°C to 325°C (-40°F to 617°F)					
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					
Inspection Capabilities and Applications						
Midwave IR and Longwave IR; Ultraviolet (UV); Visual Inspection; Medium/High Voltage Applications	Yes					
General Information						
Warranties	Limited Lifetime					
Certifications	Certified by UL (USA) & cUL (Canada) to the following standards: 50V, 50E, 756C: Impact and Flammability, 1558: Impact and Load Resistance, 508A: ANSI 508A			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			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 4x			IP67 / NEMA 6		
	Lloyds of London Type Approval					
	American Bureau of Shipping (ABS)					
	DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications					
	IEEE C37 20.2.a.3.6: Impact and Load			IEEE C37 20.7 Type 2B, C37 20.2.a.3.6: Impact and Load		
	BSI Quality ISO 9001 Certified System			IEC 62271-200, 60262271-200,60298 Appendix A, 60068-2-6:2007, 60068-2-3, 60068-2-78:2012		

*Caution: These dimensions are not installation dimensions. Do NOT cut prior to receiving your FLIR window and installation template.

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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Extech:

IRW-12PC IRW-12PS IRW-24PS IRW-24PC IRW-6PC IRW-6PS