



## 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](http://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-resistant 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)
<b>Optic Specifications</b>						
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)					
<b>Materials and Ratings</b>						
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					
<b>Inspection Capabilities and Applications</b>						
Midwave IR and Longwave IR; Ultraviolet (UV); Visual Inspection; Medium/High Voltage Applications	Yes					
<b>General Information</b>						
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](http://www.flir.com)

**CORPORATE HEADQUARTERS**  
FLIR Systems, Inc.  
27700 SW Parkway Ave.  
Wilsonville, OR 97070  
PH: +1 877.773.3547

**LATIN AMERICA**  
FLIR Systems Brasil  
Av. Antonio Bardella, 320  
Sorocaba, SP 18085-852  
Brasil  
PH: +55 15 3238 7080

**NASHUA**  
FLIR Systems, Inc.  
9 Townsend West  
Nashua, NH 03063  
USA  
PH: +1 866.477.3687

**CANADA**  
FLIR Systems, Ltd.  
920 Sheldon Court  
Burlington, ON L7L 5K6  
Canada  
PH: +1 800.613.0507

[www.flir.com](http://www.flir.com)  
NASDAQ: FLIR

Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2018 FLIR Systems, Inc. All rights reserved. 09/18

18-1890-INS



The World's Sixth Sense®

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Test Accessories - Other category](#):*

*Click to view products by [Teledyne FLIR / Extech manufacturer](#):*

Other Similar products are found below :

[AO1026](#) [AO1035](#) [AO1051](#) [AO1059](#) [149116](#) [149118](#) [RS40](#) [RS41](#) [AO1030](#) [AO1032](#) [AO1036](#) [AO1058](#) [4742](#) [KTS288540](#) [11-32-2733](#)  
[00415](#) [00163](#) [PACC-ZD005](#) [PACC-ZD007](#) [700M20TH](#) [628824000](#) [MPT-VF](#) [B3](#) [15010A0A0100M0](#) [B3](#) [15050A0D01A2M0](#) [B3](#)  
[15060A0D0100M0](#) [98-CAL020](#) [VDV500-705](#) [68-020-01P](#) [CPAK8](#) [RT-ZA19](#) [LCR-OPT-02](#) [1-1437358-1](#) [DME D110 T1](#) [LMLH 50](#)  
[FLUKE PM9082/001](#) [85392-12](#) [ST18/SMAM/SMAM/72](#) [HO720](#) [45025](#) [45028](#) [CT2300](#) [CC545](#) [VT-1000](#) [CT3041](#) [VS-AVT-CABLE-08](#)  
[6172A](#) [68-023-01](#) [67-023-01](#) [67-012-01](#) [15-3108](#)