



Infrared Inspection Solutions

iriss.com



The Toughest and Most Reliable Infrared Windows in The World

Not all infrared (IR) viewing windows are created equal. IRISS offers a wide range of sizes, mounting styles, designs and material choices to ensure the widest range of possible applications are served. All IRISS products utilize our exclusive Poly-View System™ technology to allow the use of any thermography camera to monitor energized electrical equipment. The world's only clear polymer IR window optic enables visual inspections, traditional IR inspections utilizing cameras across the entire IR spectrum and allows for UV inspections to be performed with a corona camera. IRISS IR windows are designed for a wide variety of commercial, industrial and utility applications on all manner of electrical distribution equipment. The patented reinforced grill exceeds high voltage switchgear viewing pane standards and all IR window products using the Poly-View System™ come with an unconditional lifetime warranty.

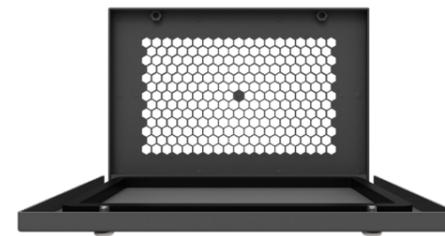
CAP-CT Series

The CAP-CT Series has the largest visually clear infrared (IR) transmissive viewing area available. The exclusive pharmaceutical-grade reinforced Poly-View System™ polymer 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 ensuring no target is missed. The CAP-CT offers locking covers for your IR window - useful in areas of high traffic and to protect the IR viewing panes from impacts, flying debris and dust. Constructed from aluminum, the CAP-CT series is recommended for all indoor applications and may be suitable for some outdoor applications.



CAP-ENV Series

The CAP-ENV features a reinforced environmentally sealed door design while also providing the largest visually clear infrared (IR) transmissive viewing area available on the market today. The exclusive reinforced polymer system allows any thermography camera to monitor completely undisturbed assets inside energized electrical equipment in the visual, UV and shortwave, midwave and longwave IR spectra. The larger rectangular viewing area provides an unparalleled field of view when compared to traditional round IR windows. Constructed completely from stainless steel, the CAP- ENV series is recommended for outdoor applications and is often used in Arc Resistant equipment designs by OEMs.



VPT Series

An evolutionary step in infrared (IR) windows, the Platinum Series VPT utilizes our exclusive Poly-View System™ technology to allow the use of any thermography camera to monitor energized electrical equipment. The world's only clear polymer IR window optic enables visual inspections, traditional IR inspections utilizing cameras across the entire IR spectrum and allows for UV inspections to be performed with a corona camera. The Platinum Series VPT IR windows are industrial grade with a patented reinforced grill that exceeds high voltage switchgear viewing pane standards. VPT Series windows can be used in indoor or outdoor applications and offer a lower cost solution for many applications where a smaller window will suffice.



VPFC Series

VPFC Series (Viewing Pane Fixed Crystal) IR windows are specially coated to reduce the transmission drift due to moisture/humidity. However, industrial users are strongly encouraged to investigate the VPT Series of industrial-grade IR windows which are specifically designed for stability in harsh industrial environments and have an unconditional lifetime warranty. The transmission rate characteristics of calcium fluoride crystal may be suitable for higher temperature applications, shortwave and midwave thermography and for the visual spectrum. Medium to longwave transmission rates (7-14 micron) are typically between 40-50% based on the infrared (IR) camera detector sensitivities at different wavelengths.

