

Robust HD lens for monitoring radioactive processes

The Model 390 radiation resistant

lens from **Resolve Optics** sets a new standard for high-quality imaging of nuclear plant and reprocessing facilities. Optimised for 1/4-inch image format radiation resistant cameras – the Model 390 is a robust 5mm fixed focus lens that provides **true high definition (HD) quality images**.



Rob Watkinson,

Sales Manager at Resolve Optics commented “Increasingly nuclear plant engineers are seeking higher clarity images to enable them to better monitor their facilities and processes. This trend has accelerated the move from traditional lower resolution tube cameras to higher resolution CMOS based cameras for monitoring nuclear processes”. He added “The Model 390 represents our first HD (1080p) resolution non browning lens optimised for the latest generation of radiation hard CMOS cameras”.

All optical elements

within the Model 390 lens are made using cerium oxide doped glass enabling it to withstand radiation doses of up to 100,000,000 rad and temperatures up to 55°C without discoloration or degradation of performance. Utilizing specially selected doped glass – the Model 390 lens can



produce clear, sharp images free of the strong yellow tint that traditionally has been a limiting issue particularly when used on colour sensors. The Model 390 HD lens provides high definition images with minimum geometric distortion from 400 to 750nm.

Resolve Optics

has been supplying lenses and optical systems for nuclear monitoring applications for over 20 years.

For further information

about radiation resistant lenses and the Model 390 HD lens

visit <https://www.resolveoptics.com/radiation-resistant-lenses-4/> or contact Resolve Optics Ltd.

on +44-1494-777100 / sales@resolveoptics.com.

Worldwide HQ

Resolve Optics Ltd.

Asheridge Road

Chesham

Bucks. HP5 2PT

UK

tel. +44-1494 777100

email sales@resolveoptics.com

www.resolveoptics.com