L1280 Fiber-coupled MIR light source

Data sheet

NLIR | Mid-Infrared Sensors

- 1.2 - 8.0 µm wavelength range
- 1375 °C Silicon Carbide source
- > 5 mW power in 500 µm fiber
- High stability
- 5,000 hours lifetime
- Active cooling
- SMA-905 fiber connector
- 90 x 130 x 160 mm^3 (H x L x W)
- 1.5 Kg

High-temperature mid-infrared (MIR) light sources are relatively cheap and require only simple electronics; they emit light of high power and are stable and robust. However, due to the nature of the warm emitter, the light is incoherent and emitted in all directions, which makes it difficult to guide and focus the light onto a sample with high intensity.

NLIR's fiber-coupled MIR light source makes it easy to bring MIR light to a sample either by positioning the fiber tip close to the sample or by using commercially available fiber-probes.

The light source is plug-and-play, turns on in a few seconds, and is actively cooled so that no parts are too warm to touch.

Got any questions or need a quote? Do not hesitate to contact us at contact@mgopticalsolutions.com.