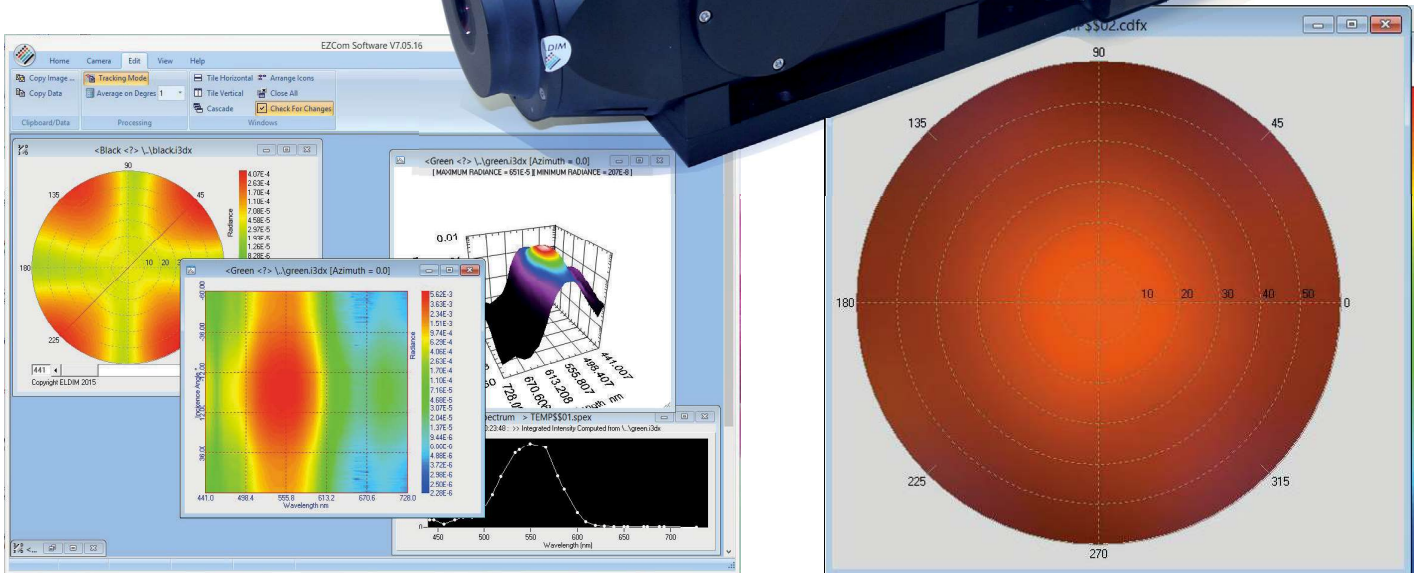
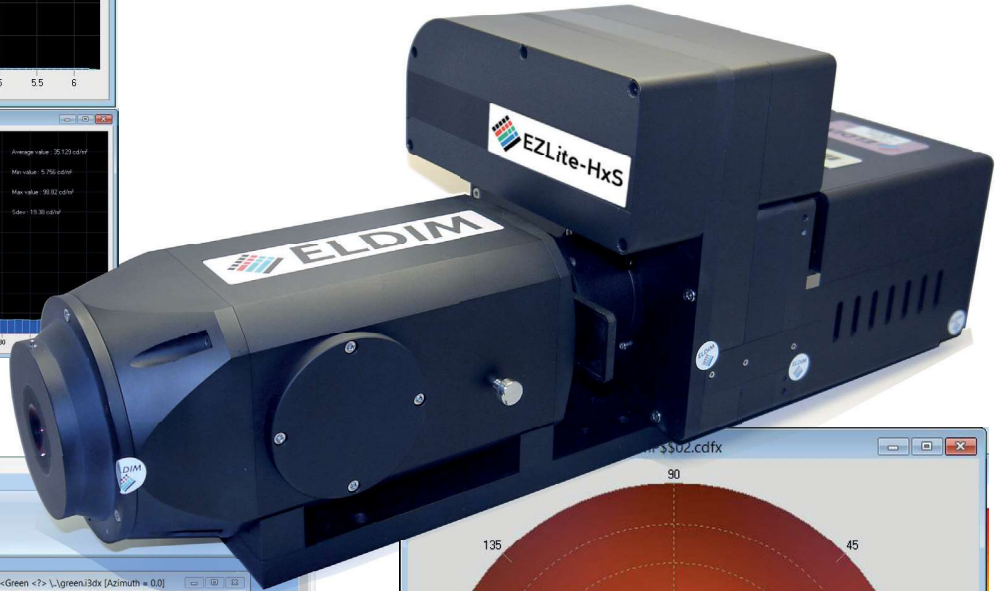
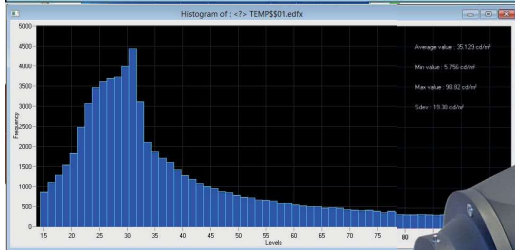
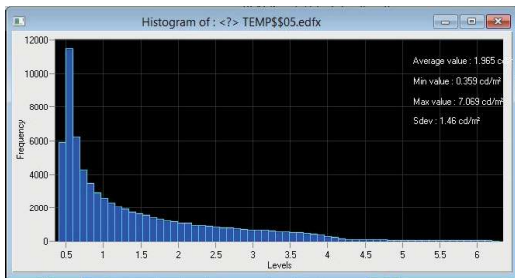


EZLite-HxS



FEATURES

- Non-contact measurement
- Fast Spectral measurements
- Radiance, Luminance, Color data
- High Accuracy and reliability
- Cooled CCD sensor

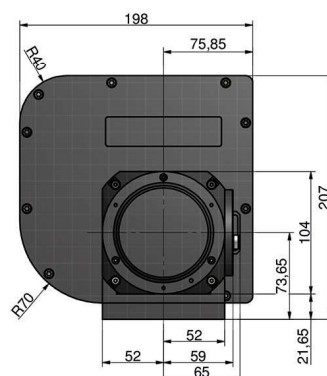
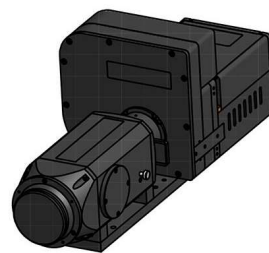
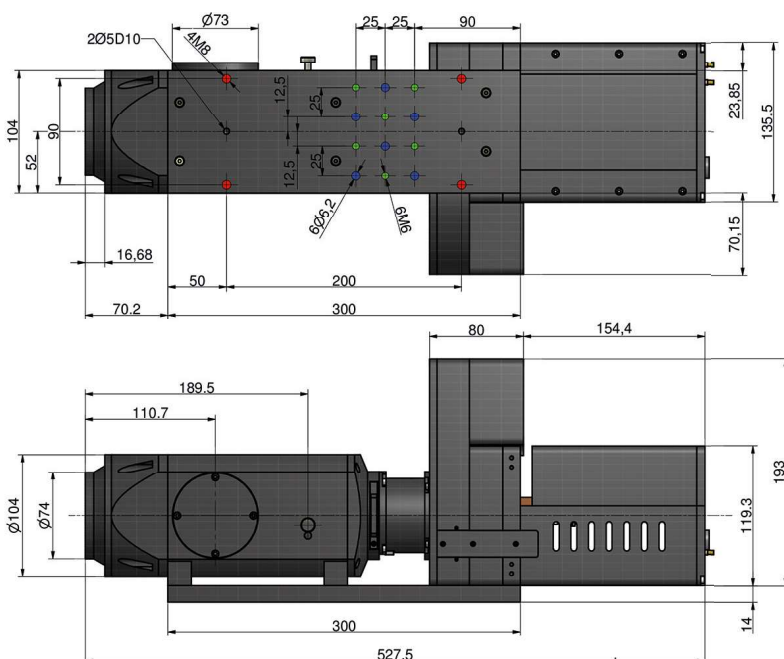
APPLICATIONS

- Physico-realistic simulation
- All kind of displays performances characterization in details
- Grey levels analysis

The EZLite-HxS series gives spectral data within a +/- 60° viewing cone, and is very fast. A full spectral map is made in less than 3mn. With 15 band pass filters regularly distributed in the middle range, the EZLite-HxS is the solution for angular spectral analysis.

| Specifications | | EZLite-HxS |
|---------------------|---|---|
| Field | Incidence angle Azimuth angle | $\pm 60^\circ$ 0-360° |
| Measuring area | diameters | 2mm, 1mm, 500 μ m & 300 μ m |
| Density | | set of neutral density |
| Polarization | Optional | 3 Polarizers (0, 45, 90°) and 2 wave-plates (*) |
| Optimum distance | Ensure light coming from same spot at any angle | 4.5 mm |
| Spectral specs | Standard Optional Spectral data extraction | 15 band pass filters on the visible range 400-700nm 2 additional band pass filter (between 700 and 900nm) Interpolation with step between 1 and 5nm |
| Measurement time | Radiance with full resolution Radiance with half resolution Polarization with full resolution | <6mn (*) <3mn (*) <15mn (*) |
| Accuracy | Wavelength resolution (nm) Wavelength accuracy (nm) Stray light (%) Angular resolution (deg) Radiance (W/Str/m ² /nm) Chromaticity Ellipticity & polarization direction Polarization degree | 20 1 (*) <0.1 (*) 0.75 $\pm 5\%$ 0.005 (for any stimulus) $\pm 2^\circ$ up to 60° $\pm 2\%$ up to 60° |
| Repeatability | Radiance Luminance Chromaticity | $\pm 0.5\%$ (*) $\pm 0.5\%$ (*) 0.001 (*) |
| Using condition | Temperature range Humidity range | 0 to 30°C 0-85% non condensing |
| Interface | | USB 2.0 |
| Power | | AC adapter (100-240V 50/60Hz) |
| Current consumption | | 90W |
| Weight | | 10Kg |

EZLite-HxS Outer dimension (unit mm)



(*1) Driven by software
 (*2) Measurement times are highly dependent on the target and on the conditions. Given times are for a source with a radiance level higher than 10mW/Sr/m²/nm at all the wavelength and already determined exposition times for all the filters.
 (*3) Band pass filters with a FWHM of about 20nm: the reported accuracy is on the band pass central wavelength position.
 (*4) For one filter with regards to the maximum of radiance observed on all the other filters.