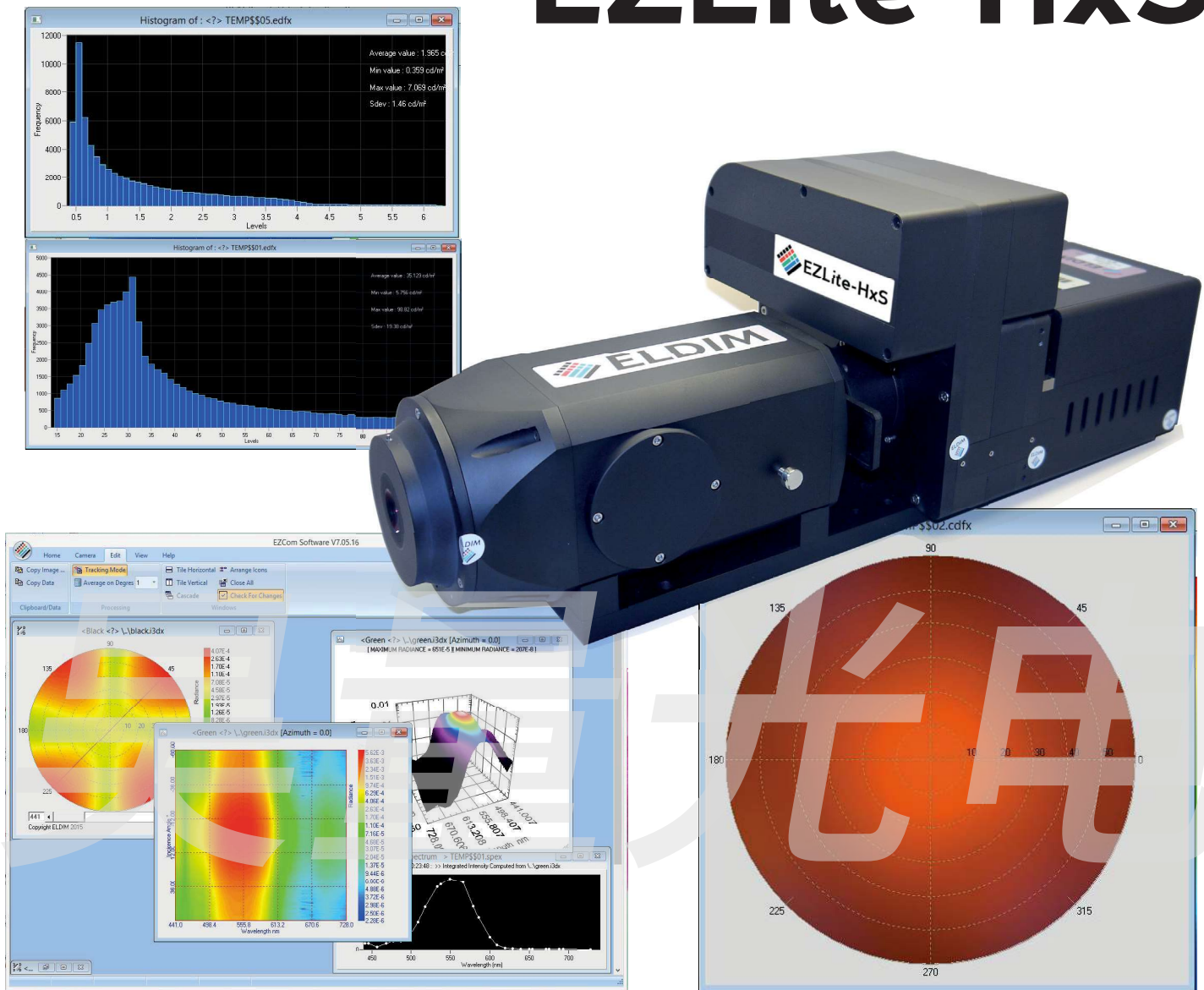


EZLite-HxS



FEATURES

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

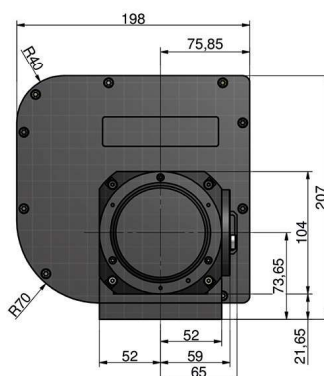
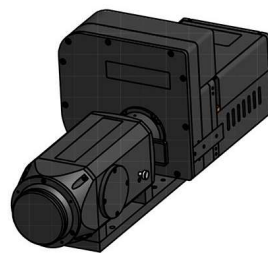
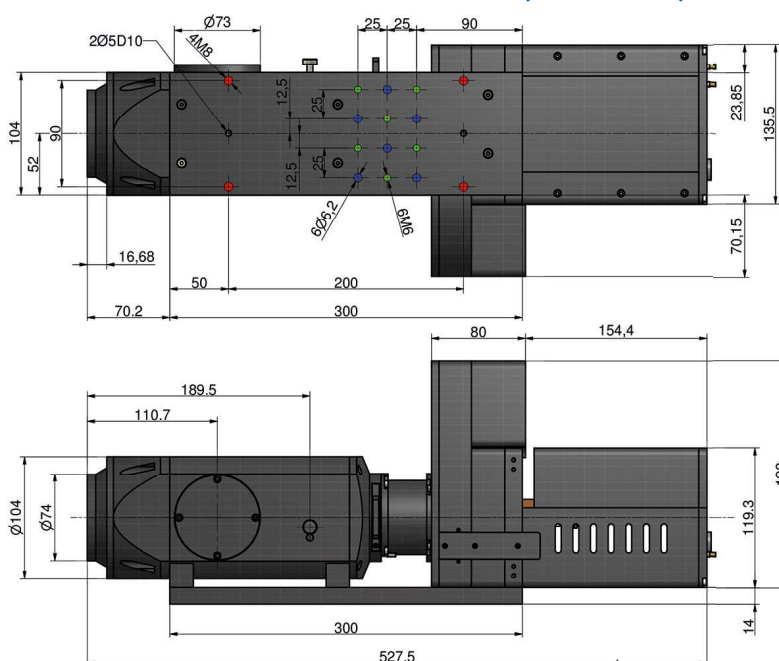
APPLICATIONS

- 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)



- (*) Driven by software
 (*) 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.
 (*) Band pass filters with a FWHM of about 20nm: the reported accuracy is on the band pass central wavelength position.
 (*) For one filter with regards to the maximum of radiance observed on all the other filters.