

### 1. High speed fluorescent contrast sensor SPECTRO-1-500-COF-10x10-UV

The contrast sensor **SPECTRO-1-500-COF-10x10-UV** comes with a detecting range of 2000mm. The spot size at a distance of 500mm is roughly 10mm x 10mm and at a distance of 1000mm around 20mm x 20mm. UV light with a wavelength of 365nm will be used. In case of the presence of fluorescent colors, the UV light will be converted into the visible range which can be detected from the SPECTRO-1 receiver. The maximum scan frequency lies in the range of 150kHz and the sensor comes with a switching frequency up to 100kHz.

