



**Datasheet  
Optical Tracking System CamBar B2 C8**

<b>Measurement area</b>	Measurement distance from ... ..to [mm]	800 .....2400mm
<b>Target markers</b>	Marker size (Resolution 776 x 582 Pixel) from ... to [mm]	10 ... 12mm
	Marker size (Resolution 1392 x 1040 Pixel) from ... to [mm]	-
	Retro reflective markers	✓
	White, diffusely reflecting Markers	no
	Spherical and flat round markers	✓
<b>Accuracy (for rigid bodies with the recommended geometry)</b>	3D Positioning accuracy of a marker field <sup>1)</sup> [mm]	0.25
	Max LME <sup>2)</sup> between two locators VDI/VDE 2634 [mm]	1.0
<b>Measurement frequency</b>	Resolution 776 x 582 Pixel	Up to 64Hz
	Resolution 1392 x 1040 Pixel	-
<b>Interfaces</b>	Interface to computer unit	Gigabit Ethernet
<b>Measurements</b>	Weight	2.5 kg
<b>Operation</b>	Operating temperature	10°C to 35°C
	Humidity	25 to 70%, not condensing
	Air Pressure	70 – 106 kPa
	Operating mode	Continuous
<b>Transport / Storage</b>	Temperature range	-10°C to 60°C
	Humidity	Up to 75% at 30°C, not condensing
	Max. Velocity	75 G for < 5 ms
	Air Pressure	70 – 106 kPa
<b>Power-/ consumption</b>	Voltage	24 V DC
	Consumption	16 W
<b>Classification</b>	Protection against electrocution.	Protection class I
	IP-Protection	IP40
<b>Lighting</b>	Infrared, wavelength [nm]	810
<b>Medical device certificate</b>	CE 0633	available

1) 1 Sigma; Position of the centre of a field of four single points (depends on the logical construction of the locator field)  
2) Maximum length measurement error