



SMARTTRACK is the plug & play tracking solution for small volumes. Two tracking cameras and controller are fully integrated in one housing. When delivered, SMARTTRACK is pre-calibrated and may be used immediately. This and its compact size make SMARTTRACK the ideal mobile, out-of-the-box tracking system.

Technical Data

General Camera Data	
Image sensor	640 x 468 Pixel
Frame rate (sensor)	60Hz
Image processing	integrated
Status indicator	status LED
IR source	40 LEDs, 850 nm, adjustable in intensity Keep a distance of min. 20 cm when operating the camera! The camera poses no risk or hazard to the human eye or skin at the distance and is therefore assigned to the Exempt Group according to IEC62471-1.
Data transfer, sync and power supply	via RJ45 cable (CAT5), BNC 75Ω, External 5V DC, 4A
Cooling	active, Fan
Operating temperature	15 - 35°C, relative humidity 5 - 50% (non-condensing)
Power consumption	max. 20W
Weight	1.25 Kg

Available lenses and operation modes			
Compatible lenses		Operation mode	
		@ 60Hz	
2.1mm	Sensor resolution (pixels)	640 x 468	
	Frustum [m ³]	4,75	
	FoV (horiz. x vert.)	100° x 72°	
	Max. tracking range [m]*	2.5	

* based on 12 mm spherical passive markers

System latency	
4 targets	Δ = 19.3ms

European Declaration of Conformity Statement
<ul style="list-style-type: none"> • 2014/35/EC (Low Voltage Directive): EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • 2014/30/EC (EMC Directive): EN 55022:2010 EN 55024:2010 EN 61000-3-2:2006 + A1:2009 + A2:2009 EN 61000-3-3:2013 • 2011/65/EC (RoHS Directive): EN 50581:2012
Manufacturer's Federal Communication Commission Declaration of Conformity Statement
<ul style="list-style-type: none"> • FCC 47 CFR Part 15, Subpart B Class B Digital Device

Technical Drawing

all dimensions in [mm] unless otherwise specified

