



SMARTTRACK3 is the latest version of the ART plug & play tracking solution for small volumes. Two tracking cameras and the controller are integrated in a compact housing. When delivered, SMARTTRACK3 is pre-calibrated and may be used immediately. The compact size and the integrated controller make SMARTTRACK3 the ideal mobile tracking system. The new PoE power supply now allows usage without a separate power cable.

Technical Data

General camera data	
Image sensor	1280x1024 Pixel
Frame rate (sensor)	150 Hz @ full frame, up to 240Hz with reduced tracking volume
Image processing	integrated
IR source	high power LEDs, 850nm, adjustable in intensity (Exempt Group according to IEC62471-1)
Status indicator	2 LEDs; dimmable
Connectors	
Data transfer & power supply	Single cable solution; data: Gigabit Ethernet power: PoE (IEEE 802.3af-2003) via max. 100 m RJ45 cable (CAT5)
Synchronization in / out	1x BNC: Video Signal (75 Ω), TTL, LVTTTL (in / out not simultaneously)
Peripherals	1 x USB 2.0 (e.g. Radio Transceiver2/3, service access)
Operating conditions	
Cooling	passive, noiseless
Temperature	0 ... 35° C
Relative humidity	5 ... 85% (non-condensing)
Power consumption	12 W
Dimensions	
Size (W x H x D)	381 x 54 x 93 mm
Weight	approx. 1.5 kg

Available lenses and field of view				
Compatible lenses		Operation mode		
		@ 150Hz	@ 180Hz	@ 240Hz
	Sensor resolution (pixels)	1280x1024	1280x880	1280x660
2.9 mm	FoV (horiz. x vert.)	135° x 102°	135° x 86°	135° x 62°
Tracking range*		3.5 m		

* based on 12 mm spherical passive markers and depended on Field of View

System latency			
4 targets	9ms	8ms	6ms

Certifications
<ul style="list-style-type: none"> • CE • FCC Part 15 B, Class B • TÜV SÜD NRTL

Technical Drawing

