



ARTTRACK5 is the next generation of the ART-TRACK family. Well-known high quality and reliability especially in very large volumes have been enhanced by higher performance features for sophisticated tracking scenarios.

Technical Data

General Camera Data	
Image sensor	1280 x 1024 Pixel
Frame rate (sensor)	150 Hz @ full frame, up to 300 Hz with reduced field of view
Image processing	integrated
Status indicator	alphanumeric display and status LEDs; dimmable
IR source	high power LEDs, 850 nm, adjustable intensity (Exempt Group according to IEC62471-1)
Data transfer, sync and power supply	single cable solution; Gigabit Ethernet PoE+ (IEEE 802.3at-2009) via max. 100 m cable (CAT5)
Operating conditions	
Cooling	passive, noiseless
Operating temperature	0 - 38°C
Relative humidity	5 - 85% (non-condensing)
Power consumption	17 W
Dimensions	
Size (W x H x D)	approx. 100 x 100 x 92 mm
Weight	approx. 1 kg

Available lenses and field of view				
Compatible lenses		Operation mode		
		@ 150Hz	@ 240Hz	@ 300Hz
	Sensor resolution (pixels)	1280 x 1024	1024 x 750	800 x 600
3.5mm	Frustum [m ³]	108	67	42
	FoV (horiz. x vert.)	98° x 77°	77° x 57°	60° x 44°
	Max. tracking range [m]*	5.5	5.5	5.5
4.5mm	Frustum [m ³]	103	64	40
	FoV (horiz. x vert.)	75° x 60°	60° x 45°	47° x 35°
	Max. tracking range [m]*	6.3	6.3	6.3
6.0mm	Frustum [m ³]	96	60	37
	FoV (horiz. x vert.)	54° x 44°	44° x 33°	34° x 26°
	Max. tracking range [m]*	7.5	7.5	7.5

* based on 12 mm spherical passive markers

System latency			
4 cameras, 4 targets	Δ = 8.5ms	Δ = 6.0ms	Δ = 4.7ms
4 cameras, 10 targets	Δ = 9.4ms	Δ = 6.9ms	Δ = 5.5ms
8 cameras, 4 targets	Δ = 8.6ms	Δ = 6.1ms	Δ = 4.7ms
8 cameras, 10 targets	Δ = 9.6ms	Δ = 7.1ms	Δ = 5.7ms

Certifications

- CE
- FCC Part 15 Subpart B, Class B
- TÜV SÜD NRTL

Technical Drawing

all dimensions in [mm] unless otherwise specified

