ARTTRACK5

ART ▶
Advanced Realtime Tracking

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 resolution
Image processing	integrated
Status indicator	alphanumeric display and status LED; dimmable
IR source	8 high power 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)
Cooling	passive, noiseless
Operating temperature	15 - 35°C, relative humidity 5 - 50% (non-condensing)
Power consumption	17W
Weight	950g

Available lenses and operation modes				
Compatible lenses		**Operation mode**		
		@ 150Hz	**@ 240Hz**	**@ 300Hz**
	Sensor resolution (pixels)	1280 x 1024	1024 x 750	800 x 600
3.5mm	Frustum [m³] FoV (horiz. x vert.) Max. tracking range [m]*	108 98° x 77° 5.5	67 77° x 57° 5.5	42 60° x 44° 5.5
4.5mm	Frustum [m³] FoV (horiz. x vert.) Max. tracking range [m]*	103 75° x 60° 6.3	64 60° x 45° 6.3	40 47° x 35° 6.3
6.0mm	Frustum [m³] FoV (horiz. x vert.) Max. tracking range [m]*	96 54° x 44° 7.5	60 44° x 33° 7.5	37 34° x 26° 7.5
				* based on 12 mm spherical passive markers

System latency			
8 cameras, 4 targets	Δ = 10.3ms	Δ = 7.9ms	Δ = 6.4ms
8 cameras, 10 targets	Δ = 11.4ms	Δ = 9.16ms	Δ = 7.6ms
4 cameras, 4 targets	Δ = 10.0ms	Δ = 7.4ms	Δ = 6.3ms
4 cameras, 10 targets	Δ = 11.1ms	Δ = 8.5ms	Δ = 7.5ms

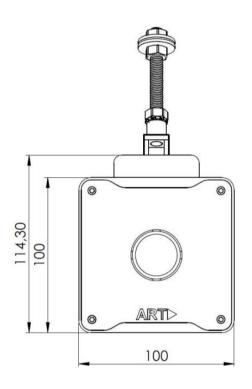| Compatible PoE+ Switches for systems with more than 8 cameras |
|---|
| • Netgear M4100-12G-PoE+, 12 port, 380W, full PoE+ IEEE 802.3at |
| • Allnet Switch ALL-SG8926PM, 24 port, 500W, full PoE+ IEEE 802.3at |

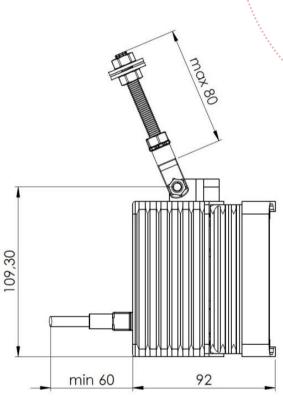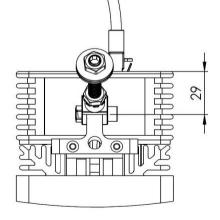| European Declaration of Conformity Statement |
|---|
| • **2014/35/EC (Low Voltage Directive):** EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 |
| • **2014/30/EC (EMC Directive):** EN 55022:2010 EN 55024:2010 |
| • **2011/65/EC (RoHS Directive):** EN 50581:2012 |
| **Manufacturer's Federal Communication Commission Declaration Of Conformity Statement** |
| • **FCC 47 CFR Part 15, Subpart B Class B digital Device** |

Technical Drawing
all dimensions in [mm] unless otherwise specified

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