

ARTTRACK6/M

Compact and powerful – for medium-sized tracking areas

The ARTTRACK6/M is a compact optical tracking camera designed for medium-sized tracking volumes. It combines high tracking performance with low latency. Its slim housing allows installation in confined spaces, while the wide-angle field of view provides broad coverage.



Technical Specifications

Parameter	Specification
Sensor type	CMOS, global shutter
Sensor resolution	1280 x 1024 pixels, 1.3 MP
Adjustable frame rate	up to 500 Hz
Minimum camera latency	2.2 ms
Image processing	integrated
IR source	high-power LEDs, 850 nm, adjustable in intensity (exempt group according to IEC 62471-1)
IR filter, standard version	long-pass filter
IR filter, IF version	narrow band-pass filter for improved suppression of stray light and unwanted wavelengths; out-of-band suppression at least 10 times higher than with the standard version; reduced tracking range
Adjustable camera parameters	Exposure time and marker-detection threshold adjustable to increase passive-marker detection range under favorable conditions or improve robustness against ambient light and unwanted reflections.
Typical passive-marker detection range	5 m ¹
Status indicator	2 status LEDs; brightness adjustable down to complete deactivation
Data interface, synchronization and power supply	Gigabit Ethernet with PoE according to IEEE 802.3af-2003; cable length up to 100 m using CAT5 or higher
Mounting	ART D2 ceiling mount; 1 × 1/4"-20 UNC mounting threads
Cooling	passive, fanless
Operating temperature	0 - 35°C
Relative humidity	5 - 85% (non-condensing)
Max. power consumption	6 W
Nominal dimensions, W x H x D	length 101 mm (over lens), diameter 30 mm
Weight	approx. 110 g, including lens, excluding mounting hardware

¹ measured at 180 Hz with an AT6/M equipped with an 2.86 mm lens, using a 12.7 mm passive marker centred in the field of view and default settings

Camera Configuration

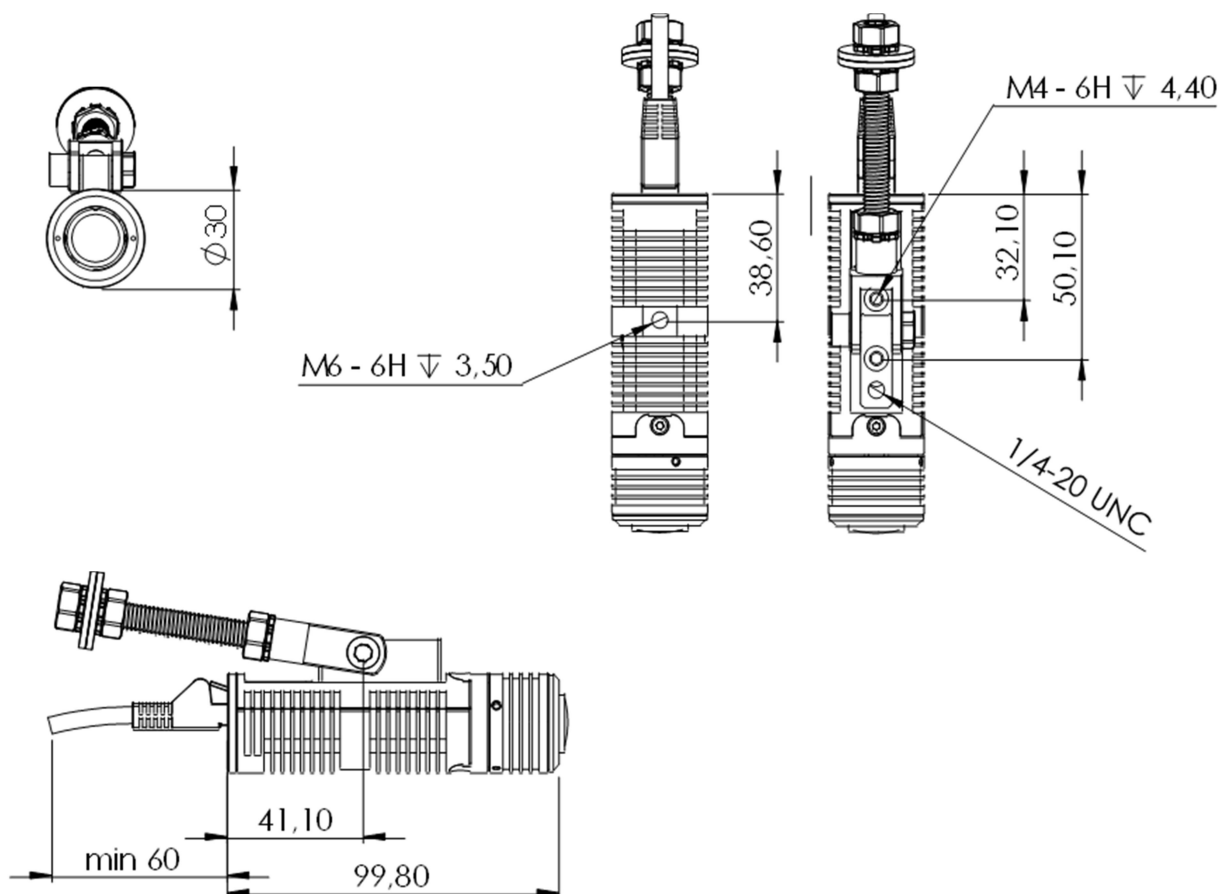
Typical camera operating modes		180 Hz mode	240 Hz mode	300 Hz mode	500 Hz mode
Available lens options	Sensor resolution (pixels)	1280 x 1024	1280 x 850	1280 x 650	800 x 600
2.86 mm	Field of view H x V (°)	135 x 102	135 x 82	135 x 61	77 x 56
3.50 mm		83 x 70	83 x 61	83 x 48	63 x 46
Camera latency [ms]		5.3	4.2	3.5	2.2

Certifications

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

Technical Drawing

all dimensions shown are nominal in [mm] unless otherwise specified



Tracking area (180 Hz mode)

all dimensions shown are nominal in [mm] unless otherwise specified

