

ARTTRACK5/C IF

ART's unique cave cameras is adapted for outdoor applications such as in-car tracking systems featuring a very narrow bandpass interference filter. This makes it possible to track even in broad daylight.



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	status LEDs (camera body); dimmable
IR source	high power LEDs, 850 nm, adjustable intensity (Exempt Group according to IEC62471-1)
Data transfer, sync and power supply (camera body)	single cable solution; Gigabit Ethernet PoE+ (IEEE 802.3at-2009) via max. 100 m cable (CAT5)
Head of the camera	connected to the camera body via 0.6 – 0.8 m flexible cable (different options available)*
* The head cannot be separated from the cable.	
Operating conditions	
Cooling	passive, noiseless
Operating temperature	0 - 38°C
Relative humidity	5 - 85% (non-condensing)
Power consumption	12 W
Dimensions	
Size (W x H x D)	Camera head: length approx. 67 mm, Ø 36.5mm Camera body: approx 100 x 100 x 55 mm
Weight	Camera head: approx. 0.2 kg Camera body: approx. 0.5 kg

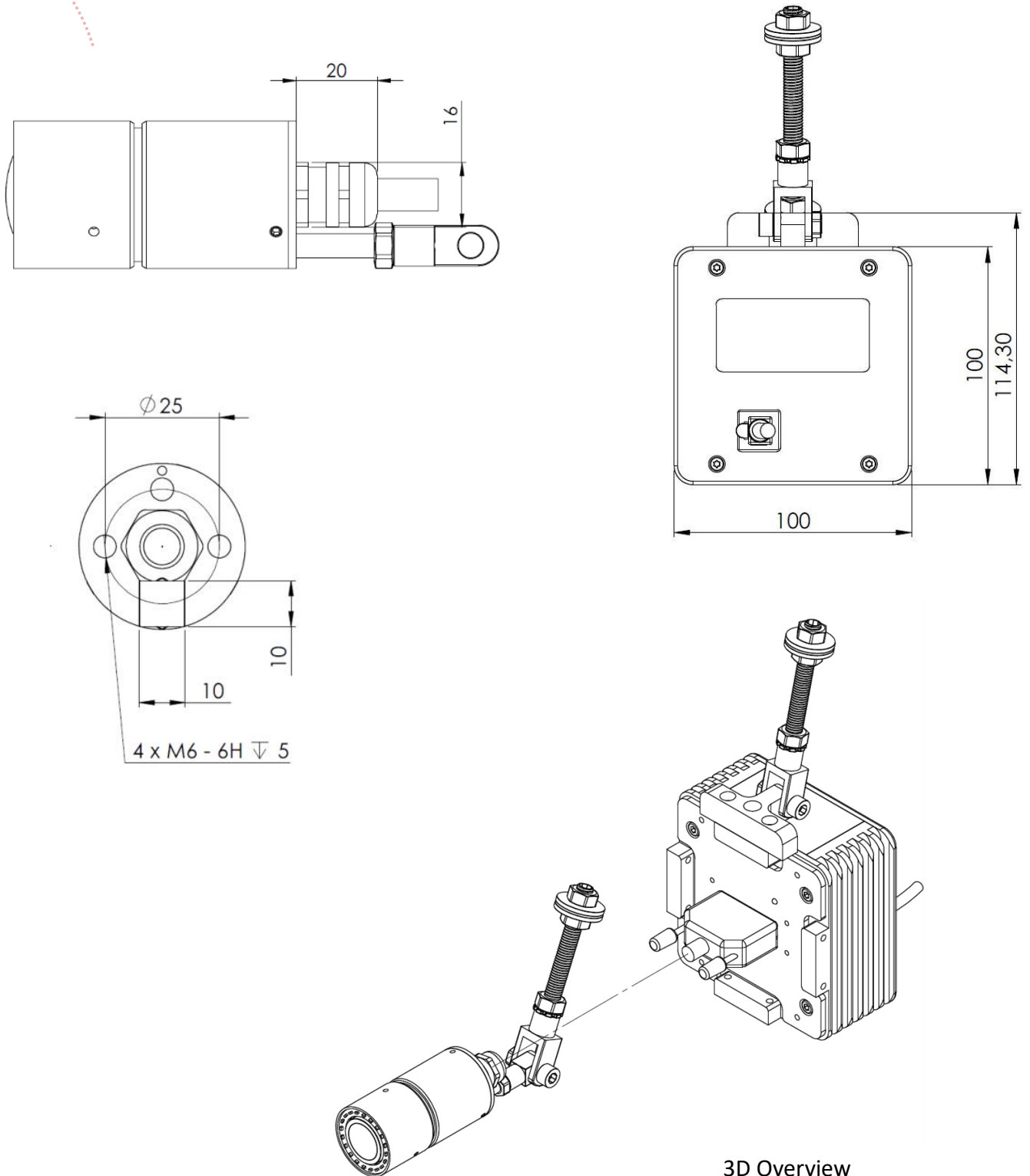
Available lenses and field of view				
Compatible lenses		Operation mode		
		@ 150Hz	@ 240Hz	@ 300Hz
	Sensor resolution (pixels)	1280 x 1024	1024 x 750	800 x 600
4.0mm	Frustum [m ³]	60	22	10
	FoV (horiz. x vert.)	89° x 71°	71° x 52°	56° x 42°
	Max. tracking range [m]**	3	2	1
** based on 12 mm spherical 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
<ul style="list-style-type: none"> • CE • FCC Part 15 Subpart B, Class A • TÜV SÜD NRTL

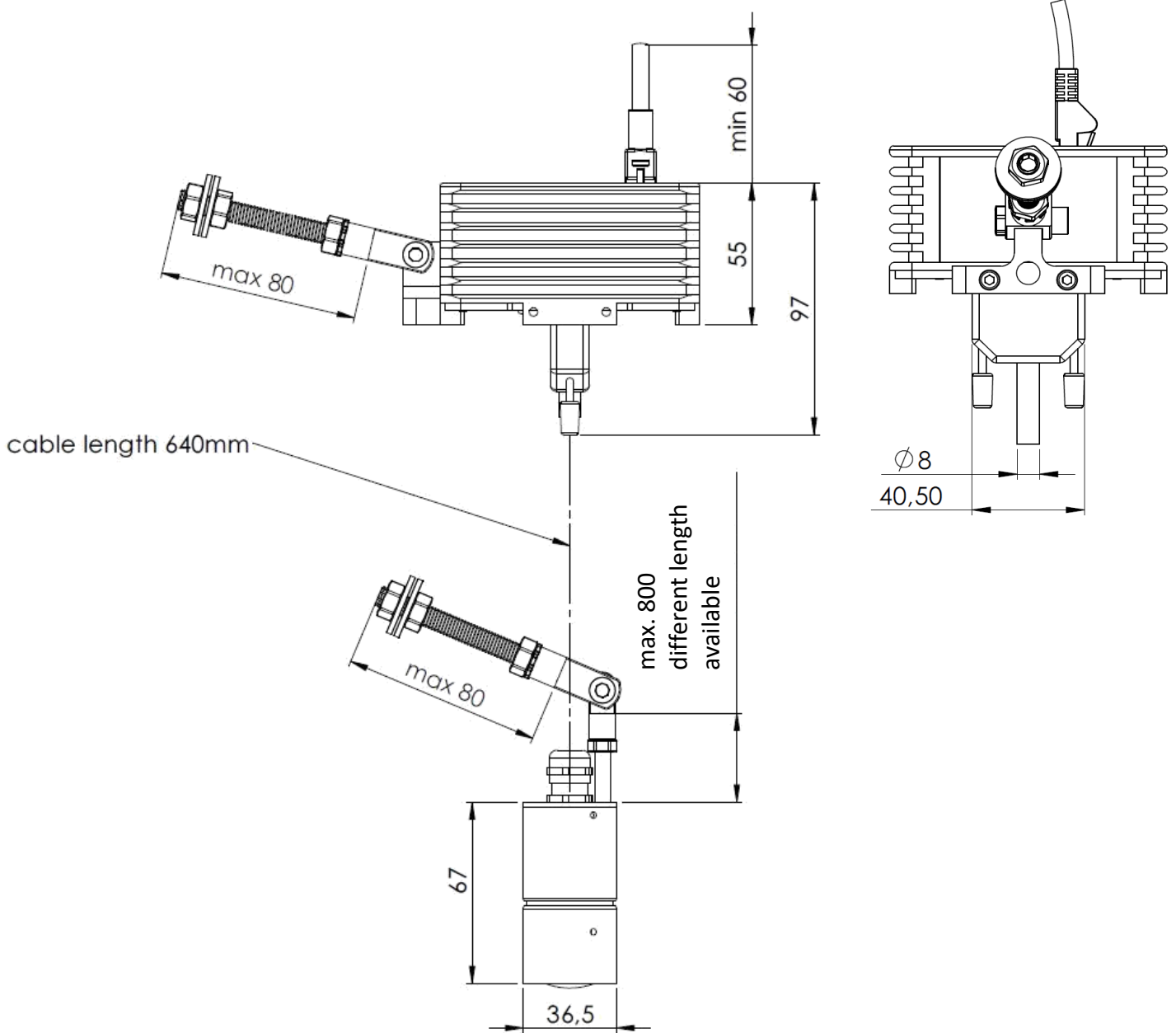
Technical Drawing

all dimensions in [mm] unless otherwise specified

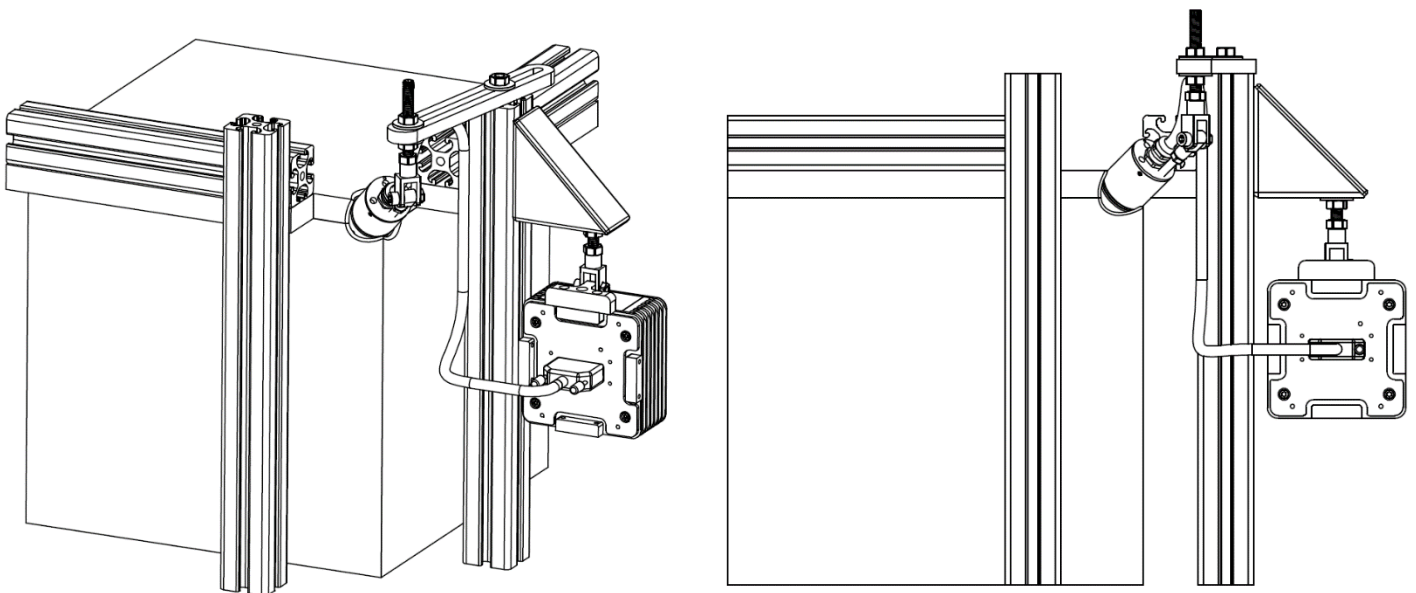
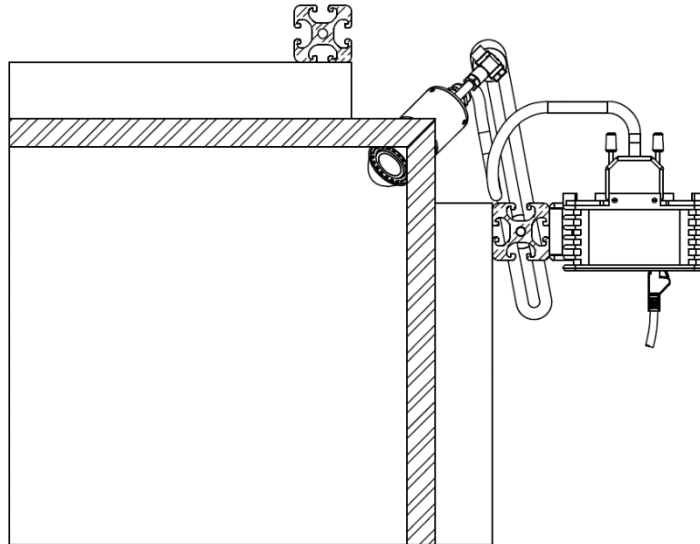


3D Overview

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Typical installation for CAVE



Buildup-View