Datasheet AT7-50 - preliminary

Powerful performance. Compact design. Smart price.

AT7-50 is the go-to tracking camera for immersive environments that require precision and reliability — at a lower cost. Suitable for use in e.g. Powerwalls, CAVEs, HMD arenas, and for a wide range of other applications.
You can also use it as a complement to existing AT7-80 systems:
The AT7-50 excels at improving tracking coverage - especially in occluded areas and corners.

Technical Data

General Camera Data	
Image sensor	2464 x 2064 Pixel
Adjustable frame rate	10 - 500 Hz
Minimum Latency	3 ms
Image processing	integrated
IR source	High power LEDs, 850 nm, adjustable in intensity (exempt group according to IEC62471-1)
Max. passive camera-to-marker range	17m[1]
Status indicator	Configurable RGB LED ring 2-digit alphanumeric display 2 status LEDs all dimmable until off
Data transfer, sync and power supply	Gigabit Ethernet PoE+ (IEEE 802.3at) max. 100 m cable (CAT5)
Mounting	ART D2 ceiling mount Tripod thread (x2); type 1/4-20 UNC
Operating conditions	
Cooling	Passive, fanless
Operating temperature	0 - 35°C
Relative humidity	5 - 85% (non-condensing)
Max. power consumption	16 W
Dimensions	
Size (W x H x D)	Approx. 83 x 84 x 78 mm
Weight	0.65 kg

	Camera configuration				
Lenses		**Operation modes**			
		@ 230 Hz	**@ 270 Hz**	**@ 360 Hz**	**@ 500 Hz**
	Sensor Area (pixels)	2464 x 2064	2464 x 1792	2464 x 1280	2464 x 880
3.5 mm (pending)	FoV (horiz. x vert.) [deg]	108 x 90 (pending)	108 x 77 (pending)	108 x 54 (pending)	108 x 37 (pending)
4.5 mm		82 x 70	82 x 60	82 x 43	82 x 29
6.0 mm		62 x 52	62 x 45	62 x 32	62 x 22

Certifications
• CE • FCC Part 15 Subpart B, Class B • TÜV SÜD NRTL – pending

[1] *measured with 12.7mm passive markers, centric distance, sensor gain of 4 and 6 mm lens*

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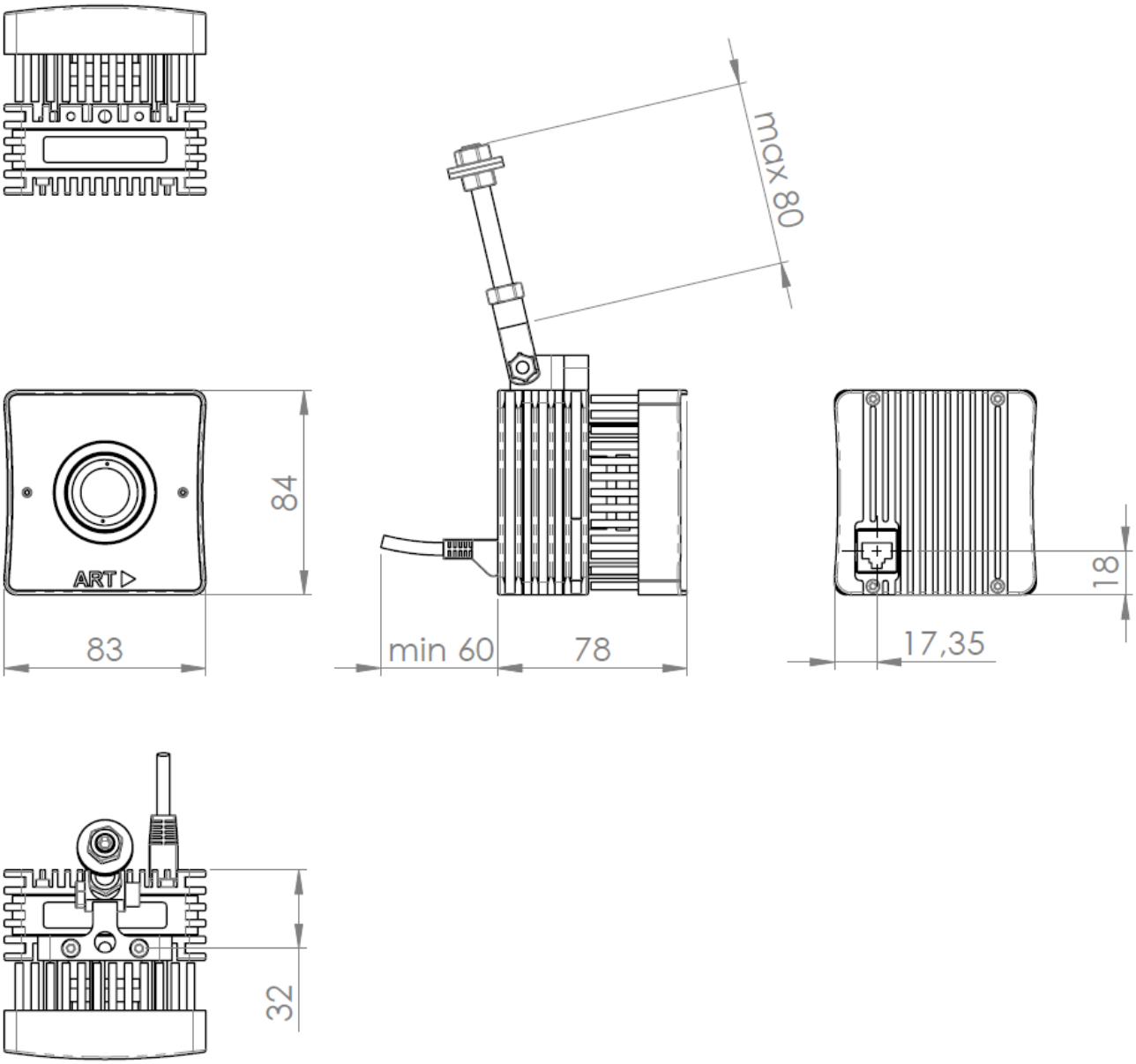
Technical Drawing

all dimensions in [mm] unless otherwise specified



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