



TRACKPACK/E cameras are the second generation of the mid-range ART optical tracking cameras. With their high-end performance, TRACKPACK/E has a superior quality/price ratio and with their compact dimensions they are offering a maximum of versatility.

Technical Data

General Camera Data	
Image sensor	1152 x 948 Pixel
Frame rate (sensor)	60 Hz @ full frame, up to 120 Hz with reduced resolution
Image processing	ART Controller
Status indicator	status LED
IR source	6 high power LEDs, 850 nm, adjustable in intensity The camera is assigned to the Exempt Group according to IEC62471-1 and therefore poses no risk or hazard to the human eye or skin at a distance of at least 20 cm.
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	5W
Weight	475g

Available lenses and operation modes				
Compatible lenses		Operation mode		
		@ 60Hz	@ 90Hz	@ 120Hz
3.5mm	Sensor resolution (pixels)	1152 x 948	1152 x 618	1152 x 444
	Frustum [m ³]	60	40	28
	FoV (horiz. x vert.)	97° x 74°	97° x 52°	97° x 39°
	Max. tracking range [m]*	4.5	4.5	4.5

* based on 12 mm spherical passive markers

System latency			
4 cameras, 5 targets	$\Delta = 18.6\text{ms}$	$\Delta = 13.2\text{ms}$	$\Delta = 10.6\text{ms}$
4 cameras, 10 targets	$\Delta = 19.6\text{ms}$	$\Delta = 14\text{ms}$	$\Delta = 11.6\text{ms}$
8 cameras, 5 targets	$\Delta = 19.0\text{ms}$	$\Delta = 13.6\text{ms}$	$\Delta = 11.0\text{ms}$
8 cameras, 10 targets	$\Delta = 19.6\text{ms}$	$\Delta = 14.4\text{ms}$	$\Delta = 12.0\text{ms}$

European Declaration of Conformity Statement
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • FCC 47 CFR Part 15, Subpart B Class B digital Device

Technical Drawing

all dimensions in [mm] unless otherwise specified

