



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 field of view |
| Image processing | on ART Controller |
| IR source | high power LEDs, 850 nm, adjustable in intensity (Exempt Group according to IEC62471-1) |
| Status indicator | 2 LEDs; dimmable |
| Data transfer, sync and power supply | Single cable solution; data & sync: Gigabit Ethernet power: PoE (IEEE 802.3af-2003) via max. 100 m RJ45 cable (CAT5) |
| Operating conditions | |
| Cooling | passive, noiseless |
| Temperature | 0 ... 38° C |
| Power consumption | 5 W |
| Dimensions | |
| Size (W x H x D) | 70 x 59 x 97 mm |
| Weight | Approx. 0.5 kg |

| 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 79° | 97° x 51° | 97° x 36° |
| | Max. tracking range [m]* | 4.5 | 4.5 | 4.5 |

* based on 12 mm spherical passive markers

| System latency (full frame) | | | |
|-----------------------------|--------------------------|--------------------------|--------------------------|
| 4 cameras, 5 targets | $\Delta = 18.6\text{ms}$ | $\Delta = 13.2\text{ms}$ | $\Delta = 10.6\text{ms}$ |
| 8 cameras, 10 targets | $\Delta = 19.6\text{ms}$ | $\Delta = 14.4\text{ms}$ | $\Delta = 12.0\text{ms}$ |

Certifications

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

Technical Drawing

all dimensions in [mm] unless otherwise specified

