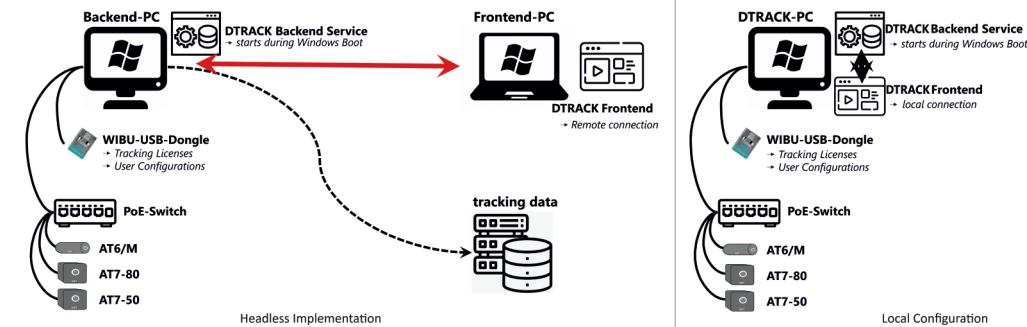


Quick-Guide multi camera system & DTRACK4

- ▶ AT7-80
- ▶ AT7-50
- ▶ ARTTRACK6/M

02/2026

1 System Architecture of DTRACK4



DTRACK Backend Service runs on a Windows based PC.

Requirements:

- Dual network interfaces for tracking data distribution via LAN / UDP (1) & camera network (2)
- Free USB port for copy-protection dongle

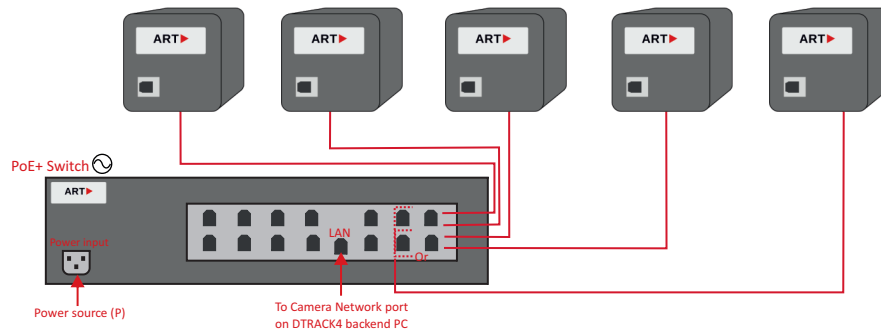
DTRACK Frontend runs on a separate Windows based PC or Backend PC.

2 Software Installation of DTRACK4

- Insert CmStick USB copy-protection dongle (WIBU Systems).
- Install DTRACK4 backend & frontend (administrator privileges required)
- Follow the README.

3 Setup and Hardware connection

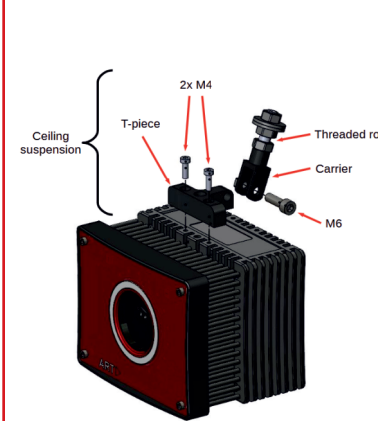
- PoE+ switch for power & data.
- Check max. power of cameras vs. power budget of switch.
- Connect PoE+ switch to mains.



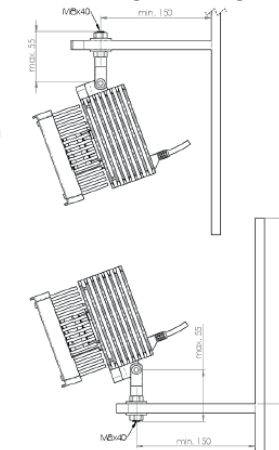
4 Mounting

- Align all cameras to cover measurement volume and calibration angle.
- Ensure sufficient overlap between FoVs.

AT7-80 or AT7-50

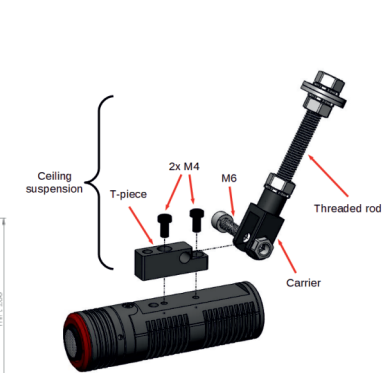


Wall / ceiling mounting



Keep distance to wall !
Keep threaded rod vertical → Azimuth and elevation individually adjustable.

ARTTRACK6/M



Important note:

- Eliminate unintentional movement or rotation of the cameras.
- Ensure minimal vibrations for best possible tracking quality.
- No mounting on tripods for permanent installations.

Standard Accessory:

- DTRACK4 backend & frontend software
- USB copy-protection dongle
- 1 patch cable (Cat5) per camera
- 1 ceiling suspension D2 per camera
- 1 room calibration set

Safety advice:

- Do not install or use any equipment when it shows signs of damage.
- Use only original components and accessories from ART or authorized by ART.
- Unsecure mounting of cameras is a serious hazard to health and safety.

Full safety instructions → Hardware Installation Guide

The cameras emit infrared light:

- Keep a distance of min. 20 cm when operating near the cameras.
- The device is assigned to the Exempt Group according to IEC62471-1 and therefore poses no risk or hazard to the human eye or skin at this distance.



Quick-Guide multi camera system & DTRACK4

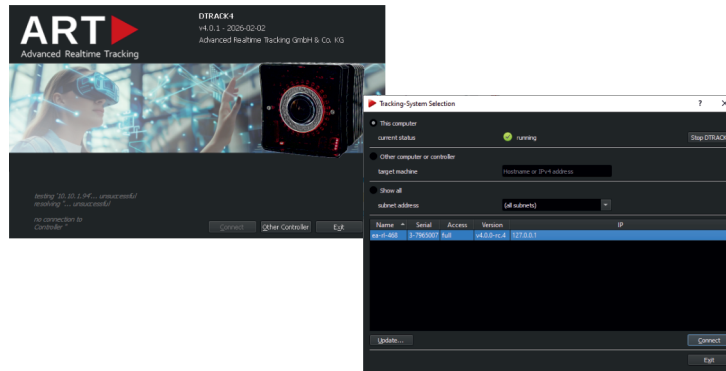
▶ AT7-80
▶ AT7-50
▶ ARTTRACK6/M

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First startup

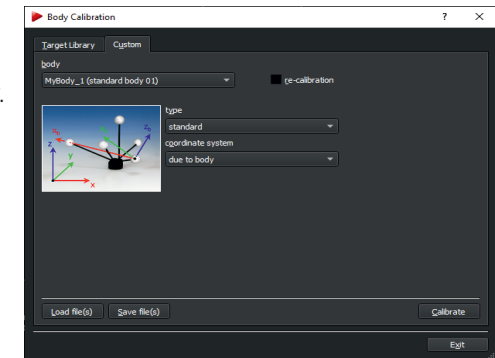
- Start DTRACK4 frontend.
- Select the local service or scan your LAN.
- Identify your backend PC by hostname and press „Connect“.



8

Body Calibration

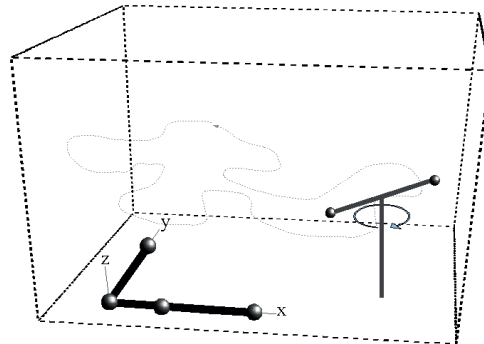
- Remove all disturbing reflections, then press “Calibrate”.
- Move around the rigid body.
- Verify that all markers are recognised.
- Double-check the number of markers, to confirm press “OK”.
- Exit all dialogs.



6

Room Calibration

- Open “Tracking” → “Room Calibration”.
- Select the appropriate calibration set.
- Place the calibration angle properly, then press “Calibrate”.
- Move around the wand in all directions while rotating it.
- Maximize the coverage in all dimensions (min. 2/3 of volume).
- Avoid too quick and jerky movements.
- Repeat on a regular basis or when conditions have changed (environment, vibrations).

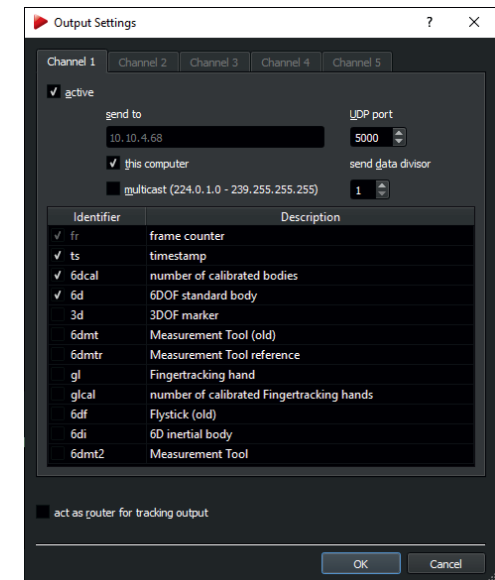


9

Output Settings

- Open “Tracking” → “Output”.
- Tick the checkbox “active”.
- Enter the IP address or host name of your client.
- Alternatively: Tick the checkbox „this computer“.
- Select a UDP port number.
- Tick applicable “identifier” check boxes.
- To accept press “OK”.

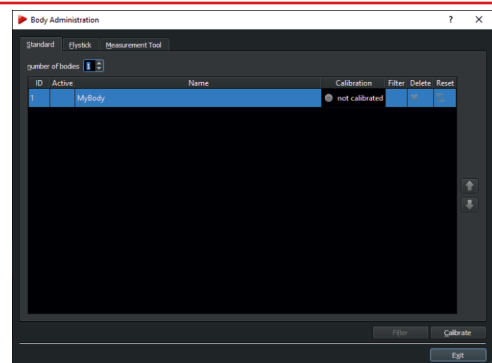
Format of data output → Programmer’s Guide



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Body Administration

- Open “Tracking” → “Body Administration”.
- Increase the “number of bodies”.
- Tick the checkbox “active” and enter a name.
- Press “Calibrate”.



10

Press “Start”.

i

Open Help → Service and Guides.
Need further assistance? Please contact our support.

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