

## SYSTEM PERFORMANCE

- Fast and easy to calibrate
- 6DOF measurement with high accuracy
- Scalable system: up to 16 cameras
- Robust against magnetic, electric and acoustic interference
- No optical crosstalk between cameras
- Support of wireless active and passive targets
- Individual identification of up to 30 6DOF targets
- Custom-built targets supported

## YOUR SOLUTION

If you need...

- scalable tracking systems with up to 16 cameras,
- high-quality tracking for medium and big volumes,
- tracking in multi-sided projections,
- up to 30 targets,
- interaction with one or more Flysticks,
- motion capture,
- A.R.T. Fingertracking

...ARTtrack cameras are your solution.

Please contact us for an individual offer.

# ARTtrack



ARTtrack Controller (ATC)

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## CAMERA ARTTRACK2

For medium sized tracking volumes.

- Integrated pattern recognition unit
- Built-in infrared flash (NIR, 880nm)
- Modulated flash for active marker synchronization
- Standard focal length:  $f=3.5\text{mm}$
- Field of view:  $73^\circ \times 58^\circ$
- Max. distance to a target with 12mm markers: 4.0m

Special solution ARTtrack2/C

- Modified ARTtrack2 built for usage in multi-sided projections
- Slim construction (without IR-flash)
- Only small hole in the projections corner necessary
- IR light is emitted through the projection walls by three external flashes

## CAMERA ARTTRACK3

For large tracking volumes.

- Integrated pattern recognition unit
- No fan
- Built-in infrared flash (NIR, 850nm)
- Modulated flash for active marker synchronization
- Standard focal length:  $f=4.5\text{mm}$
- Field of view:  $73^\circ \times 58^\circ$
- Max. distance to a target with 12mm markers: 6.0m



ARTtrack cameras

## CONTROLLER & SOFTWARE DTRACK2

- Fully remote controlled via Ethernet
- Connectors for different synchronization groups
- Data output via Ethernet
- Frontend for Linux and Windows
- Fast and easy calibration of room and targets
- Simple camera and target management

## IN THE FIELD

- External synchronization possible
  - for use with active stereo eyeglasses (CrystalEyes<sup>®</sup> or NuVision<sup>®</sup>)
  - for use as two cameras of a larger tracking system
- Interfacing to graphics SW: like all other A.R.T. tracking systems
  - via standard interfaces trackd<sup>®</sup>, VRPN, VRJuggler
  - direct connection (more detailed information can be found at [www.ar-tracking.com](http://www.ar-tracking.com))