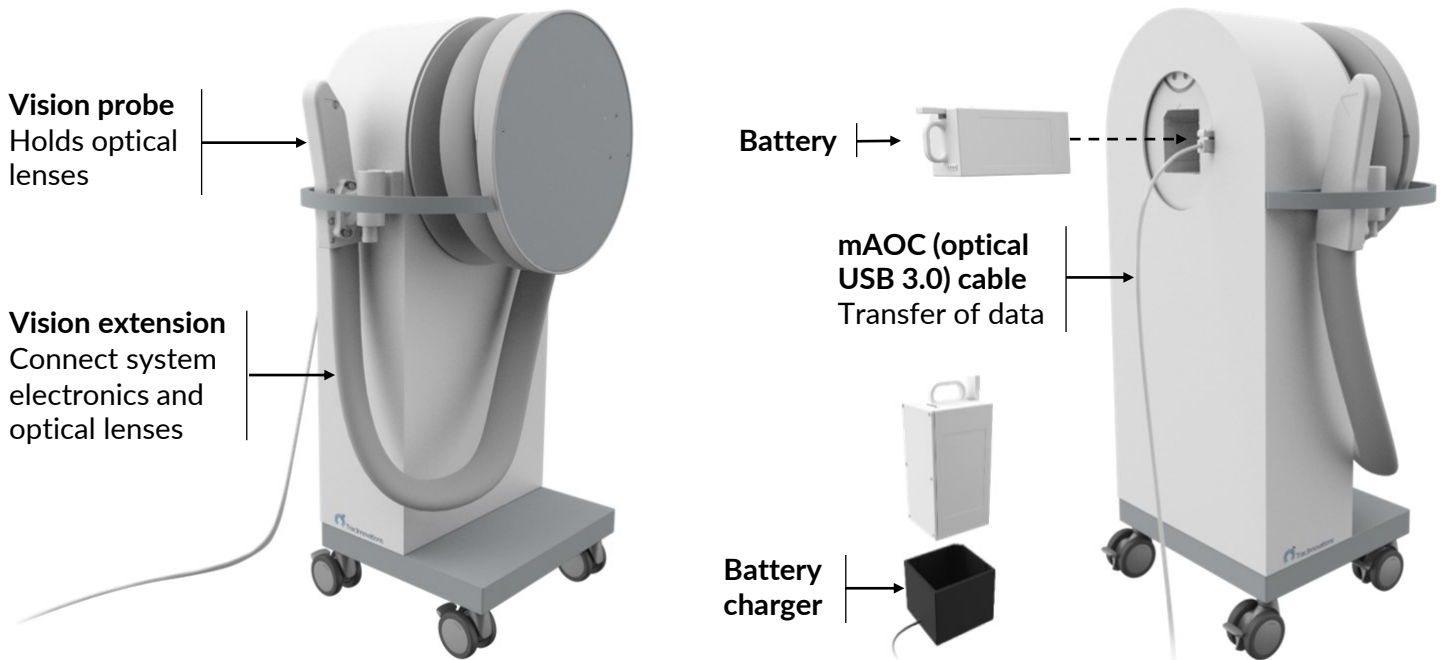


Motion Tracking System

Overview & Technical specifications



Component overview



Vision probe mount For mounting Vision probe on scanner table



Siemens Magnetom Prisma/Skyra

Philips Achieva

GE Signa Premier



TracSuite workstation
Controlling the system software

Technical specifications

Description	Range	Comment
Compatible MRI scanners		
Siemens Magnetom Prisma/Skyra, 3T		With Head/Neck 64ch
Philips Achieva, 3T		With dStream Head 32ch coil
GE Signa Premier, 3T		With 48 Channel Head Coil
Operating conditions		
Operating temperature	15°C to 35°C	
Operating relative humidity	10% to 90% RH	Non-condensing
Operation altitude	0-3,000 m	
3D surface scanner		
3D field of view: Depth	120 mm to 170 mm	
3D field of view: Height	30 mm to 80 mm	
3D field of view: Width	60 mm to 100 mm	
3D surface tracking		
3D surface translation relative to reference	0 mm to 40 mm (± 0.2 mm)	Depending on the field of view
3D surface rotation relative to reference	0° up to 30° ($\pm 0.2^\circ$)	Depending on the field of view
Tracking rate	Min 10 fps	
Tracking latency	Max 50 ms	For 95% of frames
Movement notifications		
Motion notification (motion threshold exceeded)	0 mm to 40 mm	Setup parameter 0 mm disables notification
Tracking notification (tracking not possible)		Determined by tracking quality parameter
System indication		
Nominal DC voltage	7.4V	
DC current	5A	
Weight	22 kg	
Size	460 x 310 x 750 mm	
Ingress protection	IP20	
Battery indication		
Type	Li-ION	Rechargeable
Nominal DC voltage	7.4V	
Nominal capacity	24Ah @ 2A load	
DC current	5A	
Operation time	>8 hours	
Battery level indication	25%, 50%, 75%	
MRI compatible	Min 3 Tesla	
Ingress protection	IP20	