	ARTTRACK6/M	ARTTRACK6/M-IF	ARTTRACK5	AT7-80	AT780-IF
Tracking volume	medium sized tracking areas	medium sized tracking areas also tracks in sunlit areas	tracking over long distances large tracking areas	tracking over very long distances extreme large tracking areas	tracking over very long distances extreme large tracking areas also tracks in sunlit areas
Ideal for…	Small and powerful: for tracking inside limited spaces (e.g. vehicle interiors, airplane & rocket cockpits)		Immersive 3D installations Multi-view applications Motion Capture for ergonomic analysis	Large-scale Motion Capture & HMD areas (e.g. car clinics) high-precise measuring tasks	
Image Sensor	1280 x 1024 Pixel			2856 x 2848 Pixel, 8.13 MPix	
Benefits	• compact size, for installation in constricted spaces • only ART controller necessary – no separate computing unit • high speed - up to 500 Hz • low latency • tracks from very short to long distances – under 30cm up to 5m • super-wide field of view	see ARTTRACK6/M, plus: • also tracks in sunlit areas	• large tracking volume – up to 7.5m for passive markers, >10m for active markers • reliable and trusted over many years – it works whenever you need it • for fast movements – frame rate up to 300 Hz • motion capture suitable	• larger tracking volume – fewer cameras per volume needed • significantly longer tracking range (> 12m) • enhanced flash intensity – allows tracking of smaller targets • precise and reliable tracking in proven ART quality	see AT7-80, plus: • also tracks in sunlit areas
Frame rate (sensor)	180 Hz @ full frame, up to 500 Hz with reduced field of view		150 Hz @ full frame, up to 300Hz with reduced field of view	180 Hz @ full frame (t.b.d)	
Image processing	integrated				
Status indicator	2 LEDs; dimmable		alphanumeric display and status LEDs; dimmable	alphanumeric display, status LED and RGB LED ring; dimmable	
IR source	high power LEDs, 850nm, adjustable in intensity (exempt group according to IEC62471-1)		high power LEDs, 850 nm, adjustable intensity (exempt group according to IEC62471-1)	high power LEDs, 850 nm, adjustable intensity (exempt group according to IEC62471-1)	
Filters	longpass	bandpass	longpass	longpass	bandpass
Effective transmission	>830 nm	845 - 859 nm	>830 nm	>830 nm	845 - 859 nm
Data transfer, sync and power supply	single cable solution data & sync: Gigabit Ethernet (RJ45) power: PoE (IEEE 802.3af-2003) max. 100 m cable (min. CAT5)		single cable solution data & sync: Gigabit Ethernet (RJ45) power: PoE+ (IEEE 802.3at-2009) / PoE (IEEE 802.3af-2003) with reduced range (t.b.d.) max. 100 m cable (min. CAT5)		
Size (W & H & D)	length 101 mm (over lens), 30 mm		100 x 100 x 92 mm	134 x 102 x 104 mm	
Weight	110 g		approx. 950 g	approx. 1.350 kg	
Cooling	passive, noiseless				
Operation temperature	0…35° C (when used on the car dashboard in bright sunlight, heat protection should be established)		0 - 35°C	0 - 35°C	
Relative humidity	5...85% (non-condensing)				
Power consumption	6 W		17 W	max . 25 W	
Mounting	ceiling mount with a standard tripod thread		additional mounting option with brackets		
Compatibility	cascade between SMARTTRACKs and ARTTRACKs				
	peripherals: targets, LP-Research, Manus gloves, Measurement Tool, Flystick				

ART Advanced Realtime Tracking