

NimbleTrack Gen2 is Scanology's all-new wireless optical 3D scanning system that brings wireless freedom, non-target scanning, precise measurements and portability together. It delivers high efficiency and adaptability for parts of all sizes—from intricate components to massive parts. NimbleTrack Gen2 sets a new standard for efficient and smart 3D measurement.

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NIMBLETRACK Gen2

Type		NimbleTrack-C Gen2	NimbleTrack-E Gen2
Scan mode	Ultra-fast scanning	54 blue laser lines	
	Hyperfine scanning	17 blue parallel laser lines	
	Deep hole scanning	1 extra blue laser line	
	Large area scanning	54 blue laser lines	
	Photogrammetry	Adaptive photogrammetry	
Accuracy for scanner-only mode ⁽¹⁾		Up to 0.020 mm	
Accuracy for system ⁽¹⁾		Up to 0.025 mm	
Tracking distance per i-Tracker		3500 mm	4200 mm
Volumetric accuracy ⁽¹⁾	Tracking distance 3.5 m	0.060 mm	0.059 mm
	Tracking distance 4.2 m	/	0.072 mm
	With photogrammetry system ⁽²⁾	0.044 mm + 0.012 mm/m	
	Tracker-only scanning ⁽²⁾	0.072 mm + 0.012 mm/m	
Hole position accuracy		0.050 mm	
Laser class		ClassII (eye-safe)	
Resolution up to		0.020 mm	
Stand-off distance		300 mm	
Depth of field		400 mm	
Scanning area up to		500 mm × 600 mm	
Scanning frame rate		120 fps	
Measurement rate up to		6,630,000 measurements/s	
Dimension of i-Scanner		252 mm × 195 mm × 260 mm	
Weight of i-Scanner		1.3kg (Net weight)	
		1.4 kg (Battery and wireless module included)	
Dimension of i-Tracker		570 mm × 87 mm × 94 mm	
Weight of i-Tracker		2.2 kg (Net weight)	
		2.6 kg (Battery and wireless module included)	
Size of protection case		1000 mm × 425 mm × 280 mm	
Output format		.stl, .obj, .ply, .asc, .igs, .txt, .mk2, .umk and etc.	
Operating temperature range		-10°C–40°C	
Operating humidity (Non-condensation)		10-90% RH	
Wireless operating mode		i-Scanner, i-Tracker, i-Scanner + i-Tracker, i-Tracker + i-Probe, Wireless multi-tracker tacking, Edge Inspection	
Wireless standard		Wi-Fi 6 , 802.11a/b/g/n/ac	
Interface mode		USB3-B, Gigabit Ethernet port	
Patents		CN109000582B, CN211121096U, CN210567185U, CN111678459B, CN114001696B, CN114554025B, CN114205483B, CN113514008B, CN114627249B, CN112867136B, CN218103220U, CN218103238U, CN307756797S, CN113340234B, CN112964196B, CN115289974B, CN113188476B, CN218411072U, CN115325959B, CN218584004U, CN115661369B, CN218734448U, CN115493512B, CN110992393B, CN116136396B, CN113432561B, CN219834226U, CN219829788U, CN116244730B, CN116206069B, CN113766083B, CN222015590U, CN222027649U, CN308982243S, CN308982242S, CN222104664U, CN222279677U, CN222279678U, CN222321625U, CN222317979U, CN222317980U, CN222356423U, CN222353116U, CN222560923U, CN222865846U, US10309770B2, US10309770B2, US11060853B2, KR102096806B1, EP3392831B1, US11493326B2	

(1) ISO 17025 accredited: Performance is evaluated based on JJF1951 specification and VDI/VDE 2634 Part 3.

(2) Paired with high-precision scale bar.

