



Scantech
3DeVOK MT



Shining 3D
EinScan HX



Creality
CR-Scan Raptor Pro

Light source(s)	34 Blue Laser Lines, 22 Infrared Laser Lines Infrared VCSEL Structured Light	Blue LED, 7 Blue Laser Crosses	7 Parallel Blue Laser Lines 22 Crossed Blue Laser Lines NIR Structured Light 12 Circular LED Lights
Basic accuracy	Up to 0.04 mm	Up to 0.04 mm	0.02 mm (Blue Laser Mode)
Volumetric accuracy	Up to 0.04 mm + 0.06 mm/m	Up to 0.04 + 0.06 mm/m	0.02 mm + 0.06 mm/m or 0.02 mm + 0.08 mm/m
Min. point distance/resolution	0.05 – 5 mm, (Blue Laser), 0.1 – 5 mm (IR Laser/VCSEL), Up to 0.05 mm resolution	0.05 mm (min. point distance), 0.25~3 mm (point distance)	0.02 – 2 mm
Max scanning rate (points/s)	Up to 4.5 M points/s	Up to 1.2 M points/s	Up to 600,000 points/s
Max field of view (FoV)	Up to 3 ft 7 in × 3 ft 3 in	1 ft 4.5 in × 1 ft 5 in	Approx. 1 ft 1 in x 1 ft 11 in
Scanning distance	5.9 – 4 ft 11 in	1 ft 6.5 in	5.9 – 39.4 in
Weight	1.41 lbs	1.56 lbs	0.82 lbs
Marker-free scanning	Yes Across all three light source modes	Yes Rapid scan mode for texture, but laser mode may require markers for alignment	Yes Speckle matching, but user feedback suggests markers often needed for laser
Outdoor/direct sunlight capability	Yes	Limited/no	Yes (but limited up to 100,000 lux)
Black/reflective surface scanning (without spray)	Yes	Yes (laser scan mode only)	Yes
Full color capture	Yes	Yes	Yes
Bundled software (Key examples)	3DeVOK Studio (included), compatible with Geomagic Design X, Artec Studio, PowerShape, PowerMILL	EXScan Pro (included), often bundled with Solid Edge Shining 3D Edition, Geomagic Essentials	CrealityScan (included) compatible with Geomagic Control X, Verisurf Inspect



Scantech
3DeVOK MQ



Revopoint
MIRACO



Creality
Raptor Pro

Light source(s)	22 Infrared Laser Lines, Infrared VCSEL Structured Light (Speckle)	Quad-camera Infrared Structured Light	22 Cross Blue Laser Lines 7 Parallel Blue Laser Lines NIR Structured Light
Basic accuracy	Up to 0.08 mm	Up to 0.04 mm	Laser: up to 0.02 mm IR: up to 0.10 mm
Volumetric accuracy	Up to 0.04 mm + 0.06 mm/m	0.02 mm + 0.05 mm	0.02 mm + 0.08 mm/m
Resolution	Up to 0.1 mm	Up to 0.05 mm fused point distance	Laser line thickness: 0.1 mm (7 lines)
Max scanning rate (points/s)	Up to 4.5 M points/s	N/A	Up to 660,000 Points/s (Laser)
Scanning frame rate (FPS)	Up to 70 FPS Marker alignment	Up to 20 FPS practical 11-15 FPS	Up to 60 FPS (Laser) Up to 30 FPS (NIR)
Object size range	5.5 in × 5.5 in – 1 ft 7 in x 1 ft 7 in 1.97 in to 3 ft 7 in × 3 ft 3 in (FoV)	0.39 x 0.39 x 0.39 in 13 ft 1 in x 13 ft 1 in x 13 ft 1 in	5 mm to 13 ft
Weight	1.21 – 1.37 lbs	1.65 lbs	0.89 lbs
Marker-free scanning	Yes Infrared laser & speckle	Yes Feature tracking PMK relies on markers for metrology	Yes 3D spot matching imaging
Color scanning	Yes	Yes	Yes
Full color capture	Yes	Yes	Yes