

Feature Overview SCANmotionStudio

Feature	Lite	Pro
Supported hardware		
RTC4, RTC5, RTC6, RTC Ethernet	•	•
Number of supported axes	Max. 3	Depends on module
Scanner + Stage Stitching		•
Advanced Marking on the Fly		•
SCANahead	•	•
Spot Distance Control and speed-dependent laser control		
SCANmotionControl (licence required)	•	•
Virtual joystick	•	•
Galvo scanner calibration tools		With Multi Lite module
File import		
.dxf, .dwg	•	•
.stl	With 3D module	•
.stp, .iges		•
.txt, .csv	•	•
Laser job creation tools		
Drawing tools	•	•
Hatching (lines, cross-hatching)	•	•
Logical commands (Loop, If)		•
Math functions	•	•
Variables and data import	•	•
Sample surface height mapping		•

3D projection and wrapping		•
Additive Manufacturing		
3D printing tool	With 3D module	•
Support generation for 3D models		•
3D model fixing	With 3D module	•
Advanced hatching (stripes, chess pattern, hybrid, etc.)		•
Multiple scanner simultaneous control + load balancing		With Multi-head Modul
Device Control		
I/O	•	•
Serial port, Telnet, DB control	•	•
Wait for I/O trigger		•
High speed data monitoring		•
Remote Control Module (API) for integration with another software	•	•
Logging and data export		•
Camera and vision		
Camera support	With MV Lite	With MV Lite
Camera view calibration with positioning system	With MV Lite	With MV Lite
Autofocus feature (to find laser focus position)	With MV Lite	With MV Lite
Perspective distortion correction	With MV PRO	With MV PRO
Manual feature recognition for alignment	With MV Lite	With MV Lite
Automatic feature recognition for alignment	With MV PRO	With MV PRO
Camera view stitching	With MV PRO	With MV PRO

Extracting contours from the image and image statistics	With MV PRO	With MV PRO
On the Fly edge detection	With MV PRO	With MV PRO
Original contour deformation based on camera detection	With MV PRO	With MV PRO
Training and Support		
Personal online training session	•	•
Online assistance with configuration		•
Training for recipe creation for your application		•