

14MM 3D & 2.5D scanning system



Technical Parameters:

Specifications For Optics			
Laser	UV Laser	IR	Green
Wavelength(nm)	355	1064	532
Mirror Coating	Dielectric Coating		
Aperture size(mm)	φ14		
System input laser beam	9	7	3.5

Galvanometer Parameters	
Scan angle(°)	±11.5
Repeatability(urad)	5
Max.Gain Drift(ppm/K)	12
Long-term drift over 8h(mrad)	0.3
Max.Offset drift(urad/K)	30
Maximal processing speed(character/s)	650
Small step response(ms)	≤0.18

Dynamic Focus System Parameters	
Small step response(ms)	≤1.6

Environmental requirement	
Ambient Temperature(°C)	0~+40
Storage temperature(°C)	-10~+60
Humidity	≤75% Non-condensing

Power Supply Parameters:	
Power Requirements	±(15+1.5)VDC,max,10A

Specifications For Structure	
Weight	8
Dimension(mm)	324x140x181.5

Green 2.5D system	
Wavelength(nm)	532nm
Aperture size(mm)	φ14
System input laser beam(mm)	φ3.5
Field size(mm)	70x70
Focus range in Z-direction(mm)	±5mm
Distance of F-Theta from working face(mm)	93.03mm
Ideal Spot diameter1/e ² (mm)	0.01mm

IR 2.5D System	
Wavelength(nm)	1064nm
Aperture size(mm)	φ14
System input laser beam(mm)	7mm
field size(mm)	210*210
Focus range in Z-direction(mm)	±20mm
Distance of F-Theta from working face(mm)	330mm
Ideal Spot diameter1/e ² (um)	45

UV 3D System						
field size(mm)	100x100x40	200x200x80	300x300x150	400x400x150	500x500x150	600x600x150
Ideal Spot diameter1/e ² (mm)	0.009	0.015	0.022	0.026	0.033	0.039

Green 3D System						
field size(mm)	100x100x40	200x200x80	300x300x150	400x400x150	500x500x150	600x600x150
Ideal Spot diameter1/e ² (mm)	0.013	0.023	0.031	0.04	0.0496	0.059

IR 3D System				
field size(mm)	60x60x60	100x100x90	100x100x40	200x200x80
Ideal Spot diameter1/e ² (mm)	0.021	0.027	0.025	0.0415

TECHNICAL DRAWING

