



# OctaveLight



Specifications	Octave Light R1 70µm	Octave Light R1 50µm	Octave Light R1 40µm	Octave Light R1 30µm	Octave Light R1 385nm special	Octave Light R1 365nm special
Build Volume	204 mm Height X 134.4 mm Width X 75.6 mm Length	204 mm Height X 96.0 mm Width X 54.0 mm Length	155 mm Height X 76.8 mm Width X 43.2 mm Length	120 mm Height X 57.6 mm Width X 32.4 mm Length	186 mm Height X 134.4 mm Width X 75.6 mm Length	
Horizontal XY Plane Resolution	70 µm X 70 µm per pixel	50 µm X 50 µm per pixel	40 µm X 40 µm per pixel	30 µm X 30 µm per pixel	70 µm X 70 µm per pixel	
Vertical Z Direction Resolution	5 µm					
Build Layer Capability	25 µm to 125 µm per layer (Typical usage: 25 µm per layer for jewelry purpose, 50 µm per layer for dental purpose, and 100 µm per layer for high speed printing.)					
Light Source	405 nm wavelength Ultraviolet LED				385 nm wavelength Ultraviolet LED	365 nm wavelength Ultraviolet LED
Optical Engine	High precision ultraviolet DLP optical system, custom engineered for industrial grade stereolithography, with 1920 X 1080 square pixels. Contains a light sensor to help accurately adjust the intensity of the ultraviolet LED.					
Laser Measurement Sensor	3 µm resolution, able to measure the surface location of transparent liquid. So, the R1 is compatible with transparent 3D Printing resins.					
Build Style	Top-down with Recoater Blade style Stereolithography					
Speed	Up to 8 mm per hour, when printing at 25 µm per layer; up to 16 mm per hour, when printing at 50 µm per layer; and up to 32 mm per hour, when printing at 100 µm per layer. Actual time depending on the printing parameters the user is selecting.					
Contact	Please email to <a href="mailto:coordinator@OctaveLight.com">coordinator@OctaveLight.com</a>					