Raise3D Pro2 Series Technical Specifications

ITEM	Pro2		Pro2 Plus	
CONSTRUCTION	Build Volume (W×D×H)			
	Single Extrusion Print	Dual Extrusion Print	Single Extrusion Print	Dual Extrusion Print
	12×12×11.8 in 305×305×300 mm	11×12×11.8 in 280×305×300 mm	12×12×23.8 in 305×305×605 mm	11×12×23.8 in 280×305×605 mm
	Machine Size (W×D×H)			
	24.4×23.2×29.9 in / 620×590×760 mm		24.4×23.2×43.5 in / 620×590×1105 mm	
ELECTRICAL	Power Supply Input	100-240 V AC, 50/60 Hz 230 V @ 3.3 A		
	Power Supply Output	24 V DC, 600 W		
PRINTER	Print Technology	FFF		
	Print Head	Dual-head with electronic lifting system		
	Filament Diameter	1.75 mm		
	XY Step Size	0.78125, 0.78125, 0.078125 micron		
	Z Step Size	0.078125 micron		
	Print Head Travel Speed	30 - 150 mm/s		
	Build Plate	Heated aluminum build plate with magnetic holding		
	Max Build Plate Temperature	110 °C		
	Heated Bed Material	Silicone		
	Build Plate Leveling	Pre-calibrated leveling		
	Supported Materials	PLA / ABS / HIPS / PC / TPU / TPE / NYLON / PETG / ASA / PP / PVA / Glass Fiber Infused / Carbon Fiber Infused / Metal Fill / Wood Fill		
	Nozzle Diameter	0.4 mm (Default), 0.2/ 0.6/ 0.8/ 1.0 mm (Available)		
	Max Nozzle Temperature	300 °C		
	Connectivity	Wi-Fi, LAN, USB port, Live camera		
	Noise Emission (Acoustic)	<50 dB(A) when building		
	Operating Ambient Temperature	15 - 30 °C, 10 - 90 % RH non-condensing		
	Storage Temperature	-25 °C to +55 °C, 10 - 90 % RH non-condensing		
SOFTWARE	Slicing Software	ideaMaker		
	Supported File Types	STL/ OBJ/ 3MF		
	Supported OS	WINDOWS / macOS / LINUX		
	Machine Code Type	GCODE		
PRINTER CONTROLLER	User Interface	7-inch Touch Screen		
	Network	Wi – Fi, Ethernet		
	Resume Print after Power Outage	Firmware recording, no need for battery installation. Protection from any condition		
	Screen Resolution	1024*600		
	Motion Controller	ARM Cortex M7.400MHZ FPU		
	Logic Controller	Freescale i.MX6, Quad core 1Ghz ARM processor		
	Memory	1 GB		
	Onboard Flash	8 GB		
	OS	Embedded Linux		
	Ports	USB 2.0*2, Ethernet*1		