

Raise3D Pro2 Technical Specifications

ITEM	Pro2	
CONSTRUCTION	Build Volume (WxDxH)	
	Single Extrusion Print	Dual Extrusion Print
	12x12x11.8 in 305x305x300 mm	11x12x11.8 in 280x305x300 mm
	Machine Size (WxDxH)	
	24.4x23.2x29.9 in / 620x590x760 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
	Technical Certifications	CB, CE, FCC, RoHS
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	1024x600
	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 2.0x2, Ethernetx1