

# Raise3D Pro2 Plus Technical Specifications

| ITEM               | Pro2 Plus                           |   |
|--------------------|-------------------------------------|---|
| CONSTRUCTION       | Build Volume (WxDxH)                |   |
|                    | Single Extrusion Print              | Dual Extrusion Print  |
|                    | 12x12x23.8 in<br>305x305x605 mm     | 11x12x23.8 in<br>280x305x605 mm   |
|                    | Machine Size (WxDxH)                |   |
|                    | 24.4x23.2x43.5 in / 620x590x1105 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.<br>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   |