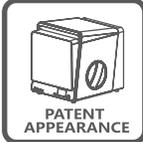


3DTALK Knight



BECAUSE OF WISDOM BORN FOR MANUFACTURE



≡ DEVICE PARAMETERS

Version Information	3DTALK Knight/3DTALK Knight Pro
Construction Volume	13096.75 (254*254*210mm)
Layer Precision	0.05mm~0.5mm(need to replace the nozzle)
Positioning Accuracy	Z axis 2.5 microns, xy axis 11 microns
Nozzle Diameter	Knight-0.4mm, Knight Pro-0.6mm
Number Of Nozzles	2
Material Of Nozzles	High-strength hard alloy
Printing Speed	60mm/s-200mm/s (200mm/s as test value)
Nozzle Working Temperature	245°C/280°C (Pro)
Nozzle Flow	24ml/h (solid body)
Support	Completely automatic generation, easy to remove, optional water-soluble support.
Prevent Become Warped Edge	Thermostat + platform heating
Maximum Temperature Of Cabin House	45°C
Heat Dissipation	Water cooling system + air cooling system.
Advanced Features	Lack of material testing, Continue printing from the interrupted position
Dimensions (Length And Width)	620*590*600mm
Weight (Gross Weight)	45kg
Body Construction Material	High strength sheet metal spraying and plastic mold
Chassis (material)	aluminum
Liquid Crystal Display	4.3 inch full color touch screen
Connectivity	Usb wifi Ethernet
Operating Button	High quality metal button
Stepper Motor	5 motors, 1.8 degrees of step Angle and 1/16 of fine fraction
File Format	STL/OBJ/.gcode
Operating System	windows/mac
Slicing Engine	3DTALK System
Control Software	Browser-based control system + touch screen control
AC Input	110/220V adjustable
Power Requirement	1000W
Connection Method	National standard power cord
Knight Consumables	ABS, PLA, Wood (Wood plastic), PETG, Bronze (Bronze), DuPont Hytrel 4100 (flexible material)
Knight Pro Consumables	eABePA-CF(carbon fiber reinforced nylon), ePC (polycarbonate), 3DTALK COMBO Basic White, 3DTALK. Black COMBO, Basic

≡ PRODUCT ADVANTAGES

INDUSTRIAL GRADE MATERIAL PRINTING

3DTALK Knight products can be used in a variety of industrial-grade materials. The Knight Pro can be compatible with high toughness, resistance to acid alkali, high temperature (138 °C) of a new generation of 3D talk COMBO black, white material, this kind of material can meet the factory or design department for the demand of the applied model of 3d printing

HIGH-STRENGTH HARD ALLOY NOZZLE

3DTALK Knight series of products using high strength tungsten carbide nozzle, compared with the traditional soft copper nozzle, commonly used in printing materials almost no losses, which greatly prolong the service life of nozzle daily, and effectively improved the precision of printing and printing speed, make its can easily finish continuous printing work

SELF-DEVELOPED PATENT CONTROL BOARD CARD

3DTALK's self-developed control board adopts the high-performance "arm A9" dual-core board, which can process faster and support various advanced functions. The circuit board adopts 6 - layer wiring, double - side sinking process, highly integrated electronic import components, longer life and more stability.



NATIONAL PATENTED CONTROL SYSTEM

With completely independent intellectual property rights at the core of the control system, provides strong ductility and product stability for the 3DTALK Knight series. Meanwhile, Knight can continuously provide more new functions for customers through continuous upgrading and improvement.

INTELLIGENT OPERATION EXPERIENCE

3DTALK develops various intelligent functions, such as broken wire detection, continue printing after power off, platform heating, warehouse temperature heating, and semi-automatic auxiliary leveling adjustment etc., greatly enhancing the user's operating experience.

PATENTED WATER COOLING SYSTEM

The patented water-cooling technology used in the 3DTALK Knight series can effectively reduce the heat generated in the work of the motor and make the device more stable during the long printing process.

≡ SAMPLE DISPLAY



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