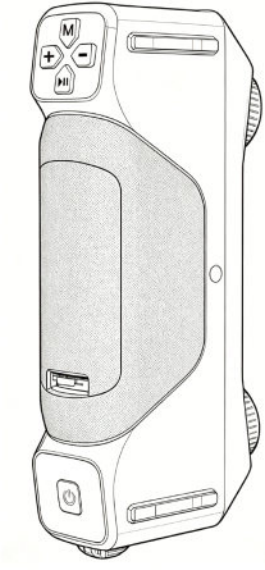
VOXMETA



VoxMeta 3D Scanner H1 Pro

Quick Start Guide

Download VoxMeta for PC & Mobile

https://wiki.voxmeta3d.com/Support/Downloads

Scan QR Code Before First Use

https://wiki.voxmeta3d.com/H1_Pro/Quickstart

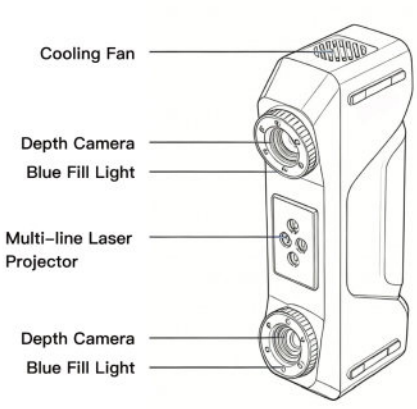
1 Package Contents

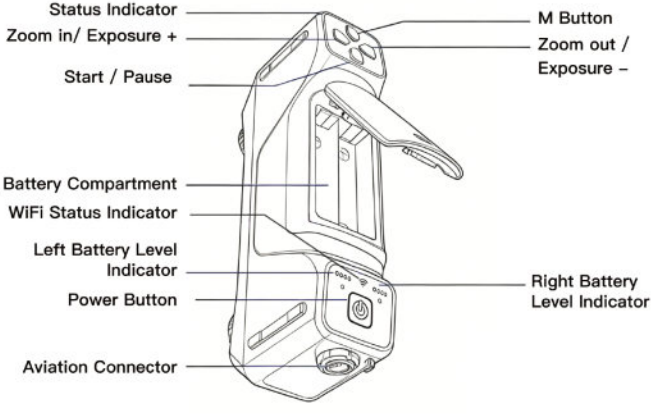
Thumbnails	Overview
	H1 Pro Scanner × 1
	Calibration Board × 1
	3 mm Markers × 1000
	6 mm Markers × 1000
	Carrying Case × 1
	18650 Lithium Battery Charger × 1
	18650 Lithium-ion Battery × 4
	USB-A to Ethernet Adapter Cable (RJ45) × 1
	USB-A to USB-C Adapter × 1

1 Package Contents

Thumbnails	Overview
	USB Flash Drive × 1
	PoE Power Adapter × 1
	5m Aviation Connector to RJ45 Cable × 1
	Universal Plug Adapter × 1
	Wrist Strap Phone Holder × 1
	Manual Turntable × 1

2 Scanner Overview





3 Wired Connection for 3D Scanner

Step 1: Use the Plug Adapter

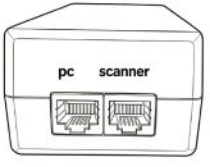
① Select the appropriate plug adapter based on your country or region.
② Insert the 3-prong power cord into the plug adapter.

Universal Plug Adapter

3-prong power

Step 2: Connect the PoE Power Adapter

① Insert the Gigabit Ethernet connectors of the 5m and 1.5m data cables into the PoE power adapter as shown in the diagram.
② Insert the power cord output into the PoE power adapter to supply power.

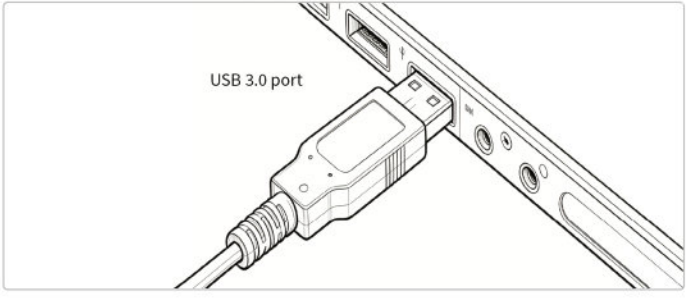


PoE Power Adapter

Step 3: Connect the Scanner to the PC

① Connect the aviation-grade data interface to the 3D scanner.

② Connect the USB Type-A interface to a USB 3.0 port on your computer.



⚠ If there is no response after establishing a wired connection,please use "Settings > Computer Performance Test > AutoSet" to configure it.

4 Wireless Connection for 3D Scanner

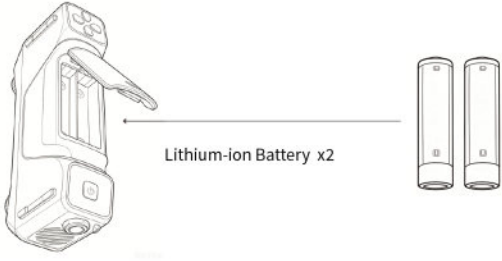
Step 1:

① Charge the batteries before first use.

Lithium-ion Battery

Lithium Battery Charger

② Then insert the two batteries into the battery compartment as shown.



Step 2:

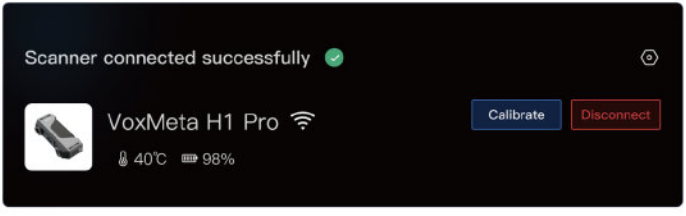
Press and hold the power button for 2 seconds. Wait for the wireless mode status indicator to light up to enable wireless connection mode.

4 Wireless Connection for 3D Scanner

⚠ Before enabling wireless mode, disconnect the aviation -grade data interface.

Step 3:

After launching the PC software, check the connection status on the homepage.



4 Wireless Connection for 3D Scanner

If you encounter connection issues, scan the QR code for assistance.

Scan the QR code to contact our support specialist.
support@voxmeta3d.com

5 Technical Specifications

Specifications Table		
Scanning Modes	High-speed Scanning	34 Cross Laser Lines
	Fine Scanning	17 Parallel Laser Lines
	Deep Hole Scanning	Single Laser Line
Volumetric Accuracy	without scale bar	0.015mm+0.03mm/m
	with scale bar	0.015mm+0.02mm/m
Point Spacing	0.1 mm – 10 mm (Adjustable)	
Max Scanning Performance	Frame Rate	120FPS
	Scan Rate	4,400,000 pts/s
Maximum Scanning Area	472 mm x 414 mm	
Working Depth	300mm	
Light Source	Blue Laser, Class II (Eye-Safe)	
Transmission Interface	Wired Connection	Aviation Connector
	Wireless Connection	WiFi 6
Overall Dimensions (L×W×H)	208 mm × 86 mm × 50 mm	
Device Weight	Without Battery	580g
	With Battery	680g
Operating Temperature	–10°C to 40°C; 10% to 90% RH, non–condensing; Altitude ⩽ 2,000 m	
Export Formats	*.stl, *.obj, *.ply, *.asc, *.txt, etc.	
Recommended PC Specifications	OS: Windows 10 64-bit or newer; Processor: Intel Core U7-155H or higher; Graphics Card: NVIDIA series, RTX 4060 or higher; VRAM: 8 GB or more; CUDA: 11.7 – 12.6 (Mandatory Support); RAM: ⩾ 32 GB	

Regulatory Information

This product contains Wi-Fi radio equipment and complies with Directive 2014/53/EU on radio equipment.

Safety and Operating Information

Use this product only for its intended purpose and according to this user

manual. Use only accessories, software and firmware approved by the manufacturer. Do not disassemble, modify or damage the product. Do not modify the Wi-Fi module, antenna, country/region settings, frequency band or RF output power without authorization.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

This equipment shall only be serviced by the manufacturer or authorized service personnel. Do not disassemble, modify, or repair the equipment without authorization.

Laser Specifications

This device complies with IEC 60825-1:2014 and EN 60825-1:2014+A11:2021.It is classified as a CLASS 2 LASER PRODUCT (450 nm, output power ⩽ 1 mW)

Wi-Fi Frequency Bands and Maximum Output Power

This product operates in the following Wi-Fi frequency bands:

Radio technology	Frequency band	Maximum output power
Wi-Fi	[5150–5250]	[16.45 dBm EIRP]
	[5725–5850]	[13.49 dBm EIRP]

AT	EE	IE	NO	SE
BE	FI	IT	PL	CH
BG	FR	LV	PT	NL
HR	DE	LI	RO	UK(NI)
CY	EL	LT	SK	
CZ	HU	LU	SI	
DK	IS	MT	ES	

The functions of Wireless Access Systems including Radio Local Area Networks(WAS/R-LANs) within the band 5150-5250 MHz for this device are restricted to indoor use only within all European Union countries..

EU Declaration of Conformity.

Hereby, Vision3D Technology Co., Ltd. declares that the radio equipment type VoxMeta H1 Pro is in compliance with Directive 2014/53/EU.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

For Class B

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio

frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Scan the QR code to view the Quick Start Guide in other languages.

Scannen Sie den QR-Code, um die Kurzanleitung in anderen Sprachen anzuzeigen.

Escanee el código QR para ver la Guía de inicio rápido en otros idiomas.

Scansiona il codice QR per visualizzare la Guida rapida in altre lingue.

We wish you a pleasant scanning experience!

www.voxmeta3d.com

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