

Raspberry Pi 3D Scanner

CHAT-0287 / REV EXPORT-03 / 2026.07.24

A conversation-specific public summary of raspberry pi 3d scanner, distilled from the supplied export. The detailed excerpts remain available in the released note file.

STATUS	RECOVERED / SPECIFIC NOTE
CLASSIFICATION	SYS
MATERIAL	CHAT EXPORT / BUILD & TOOLS
DISPOSITION	PUBLIC CONVERSATION EXCERPTS / REDACTED
CATEGORY	Build & Tools
RECORD TYPE	build-thread

TECHNICAL NOTES

Conversation-specific knowledge extracted from the raspberry pi 3d scanner discussion.

CONVERSATION / QUESTION AND CONTEXT

Walk me through using explain to me how i could use my rasberry pi to create a 3d scanner

CONVERSATION / EXTRACTED GUIDANCE

1. *Pi Camera -> object -> motorized turntable
2. *Take picture -> rotate 5° -> stop -> wait ~1 second -> take picture -> repeat 72 times.
3. *72 × 3 = 216 photographs.
4. Stepper motors - excellent for rotating the scan turntable or moving a camera vertically.
5. Gears and timing belts - useful for making a smooth, geared-down turntable or camera slide.
6. Steel rods/shafts and bushings - great for building a rigid camera-height rail.
7. Bearings and rollers - potentially useful under the rotating platform.
8. Optical interrupter sensors / limit switches - very useful for automatically finding a "home" position when the scanner starts.

SPECIFICATION

SOURCE	Supplied ChatGPT export
CATEGORY	Build & Tools
CONVERSATION	2 user turns / 2 assistant turns
ATTACHMENTS	2 references detected
PUBLIC DETAIL	Extracted knowledge + excerpts

DEVELOPMENT HISTORY

2026.07.24 / EXPORT-04

Matched to the supplied export; key guidance is surfaced separately and the raw transcript remains unpublished.

RELEASED MATERIAL / SOURCE LINKS

CHAT-0287-public-note.txt

PUBLIC-SAFE CONVERSATION NOTE / UNIQUE FILE

<https://u225x.com/downloads/chat-records/CHAT-0287-public-note.txt>

RETURN TO THE LIVING RECORD

Raspberry Pi 3D Scanner

This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/CHAT-0287>
