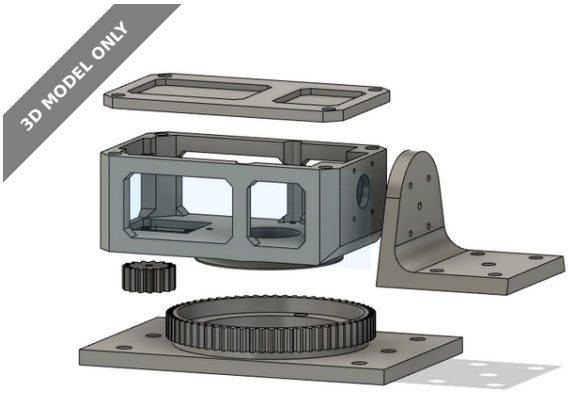

Nema 17 Pan Tilt

link.state

VIEW IN BROWSER

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Summary

Pan-Tilt mechanism for Nema17 stepper motors. Utilizes a 4" Lazy Susan bearing for a slew ring.

Hobby & Makers > RC & Robotics

Tags: nema raspberry tilt robotics pi antenna tracker pan mechanism

Simple pan-tilt mechanism for Nema 17 stepper motors. Utilizes a 4" Lazy Susan bearing from amazon. I would recommend hiding the z seam when printing any geared surfaces.

Link for bearing: https://www.amazon.com/gp/product/B08CSMYXFV/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1

Code and Writeup: https://zerogravityantfarm.com/post/tracking-space-objects/

Video of operation:

Model files

tiltbracket.stl

body.stl

spurgear.stl

lid.stl

baseringgear.stl

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