DOGGO - simple robot dog

Ezojil

VIEW IN BROWSER
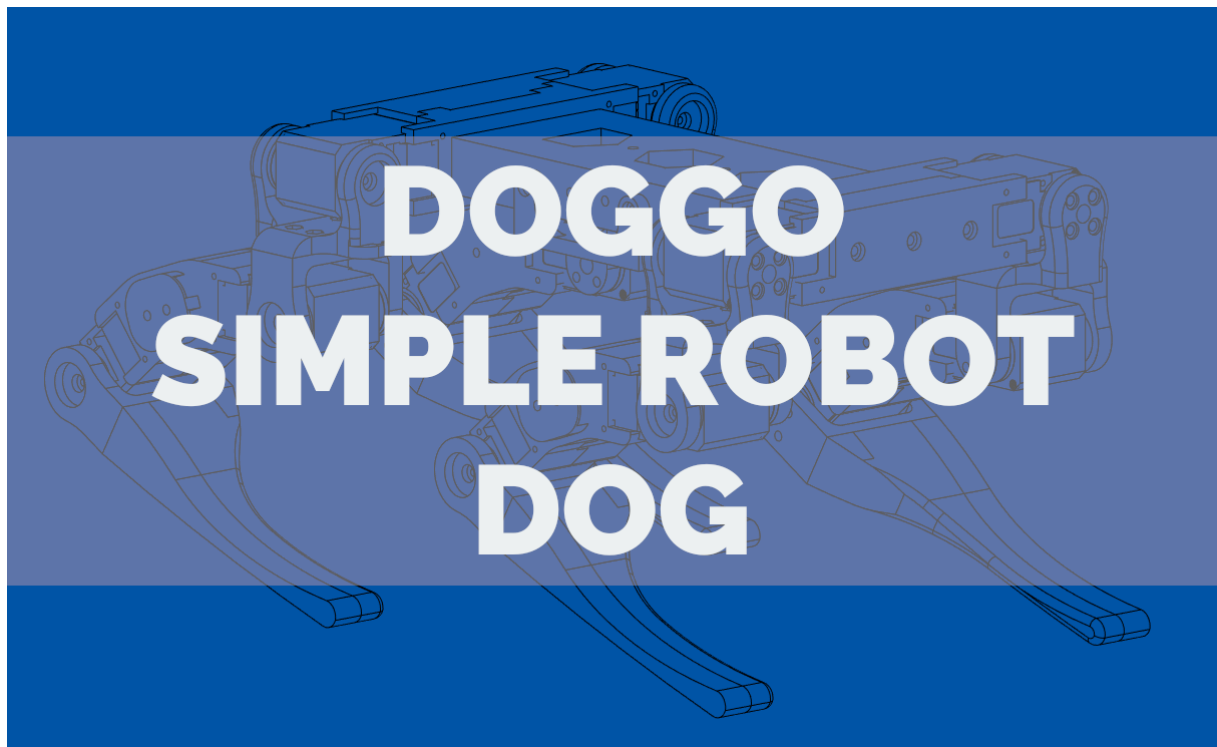
updated 11. 2. 2025 | published 11. 2. 2025

Summary

SIMPLE ROBOT DOG This is a prototype, work is ongoing!

Hobby & Makers > RC & Robotics

Tags: robotics spot servo thingiverse quadruped bostondynamics lx16a

SIMPLE ROBOT DOG
This is a prototype, work is ongoing!

Requirements

Hello, nice to see you here. My name is Jakub.

There are many designs of quadruped robots in internet.
I present my simple amateur vision.

What You need?

- Filemant PETG
- 3D printer
- 12 x LX-16A Full Metal Gear Serial Bus Servo
- 1 x Serial Bus Servo Controller
- 12 x bearing 626ZZ
- 18 x self-tapping screw pan head M1.7 8mm
- 12 x metal horns for MG995
- M3x5 DIN 912
- M3x8 DIN 912
- M3x10 DIN 912
- M3x12 DIN 912
- M3x49 DIN 912
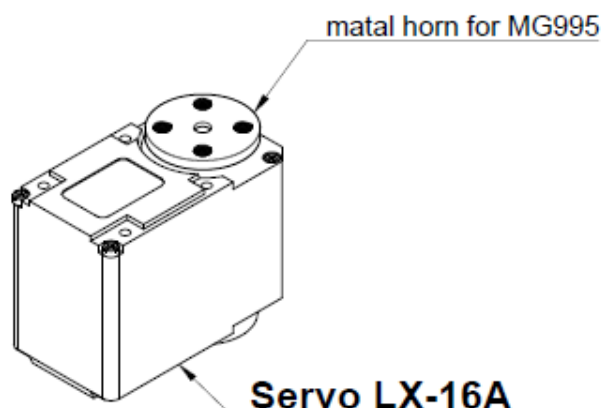- M3x25 ISO 7380
- nut M3 DIN 934

M3x10 DIN 912

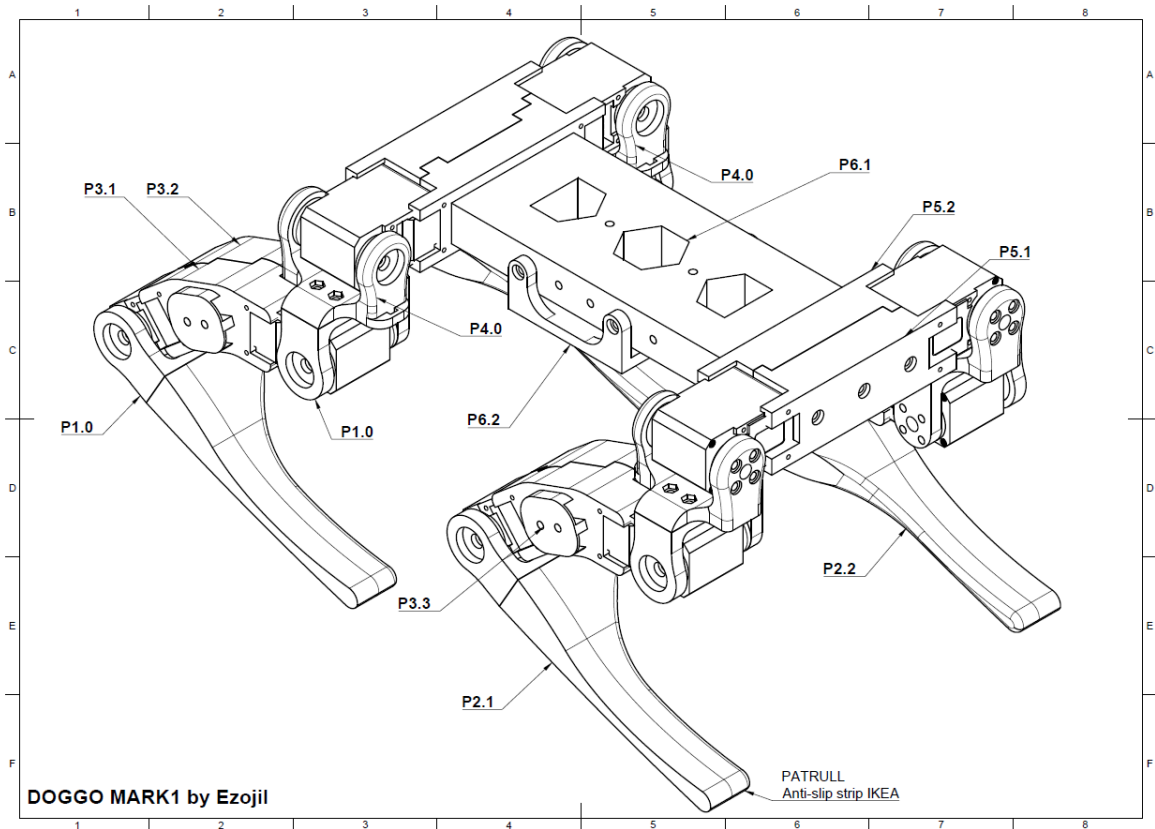nut M3 DIN 934

M3x8 DIN 912
M3x25 ISO 7380

M3x10 DIN 912
M3x5 DIN 912

M3x12 DIN 912

M3x10 DIN 912
M3x5 DIN 912

nut M3 DIN 934

pan head M1.7 8mm

M3x49 DIN 912

DOGGO MARK1 by Ezojil

M3x16 DIN 912

M3x5 DIN 912

M3x10 DIN 912
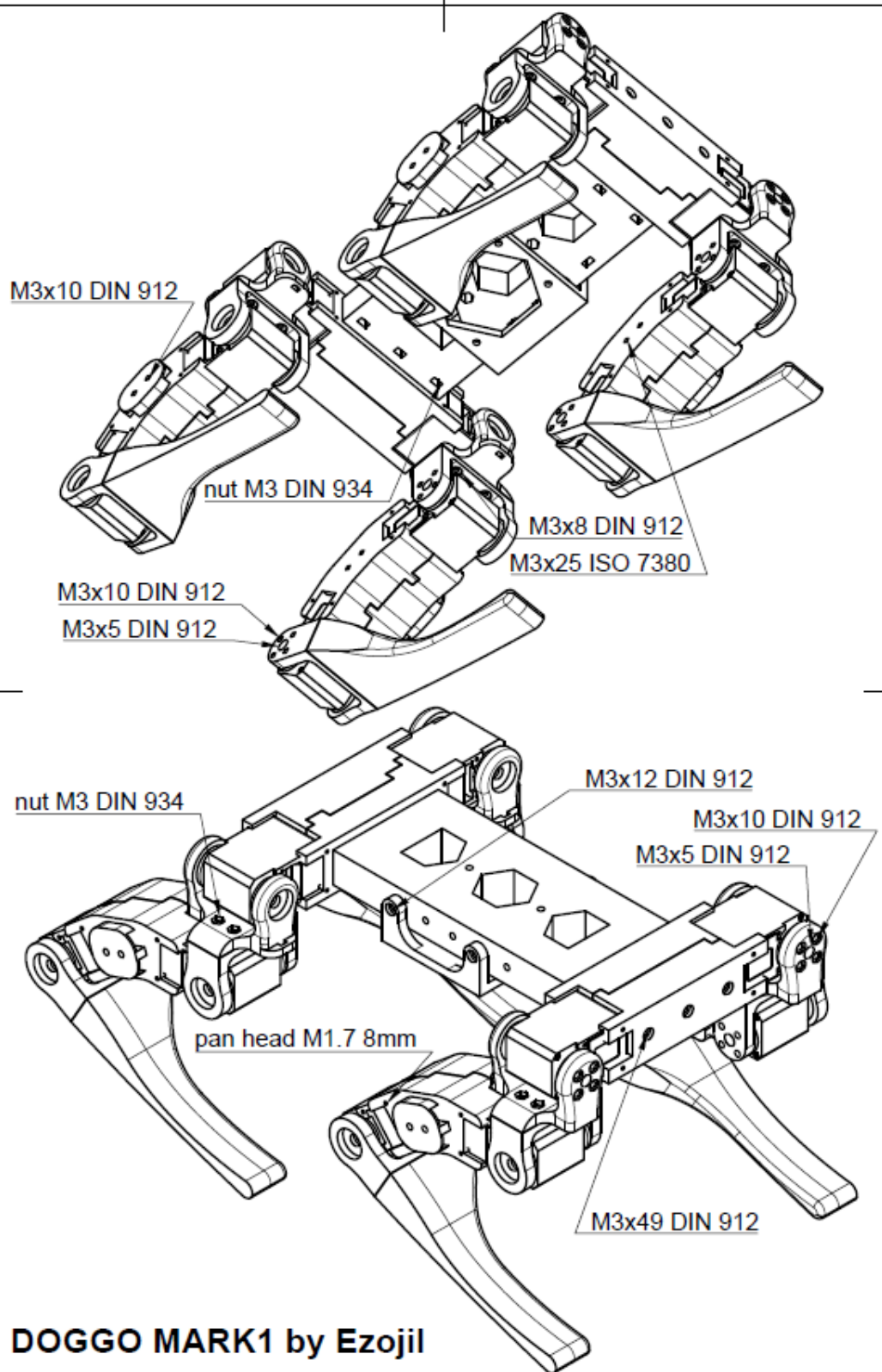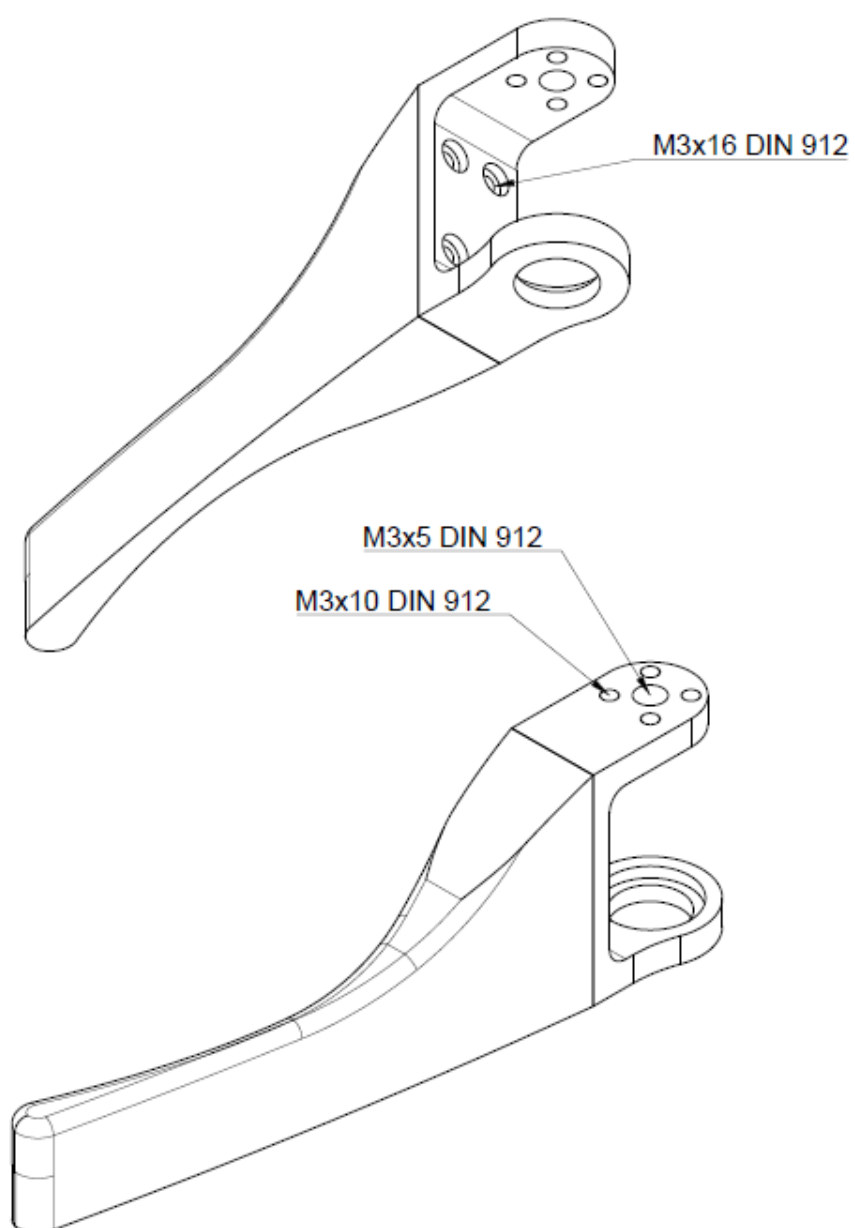
DOGGO MARK1 by Ezojil
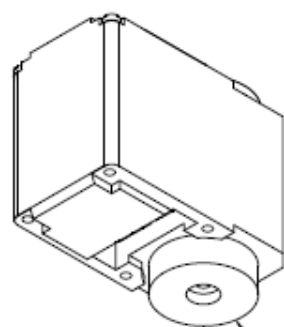
bearing 626zz

matal horn for MG995

Servo LX-16A

DOGGO MARK1 by Ezojil

DOGGO MARK1 by Ezojil

Video

Programming

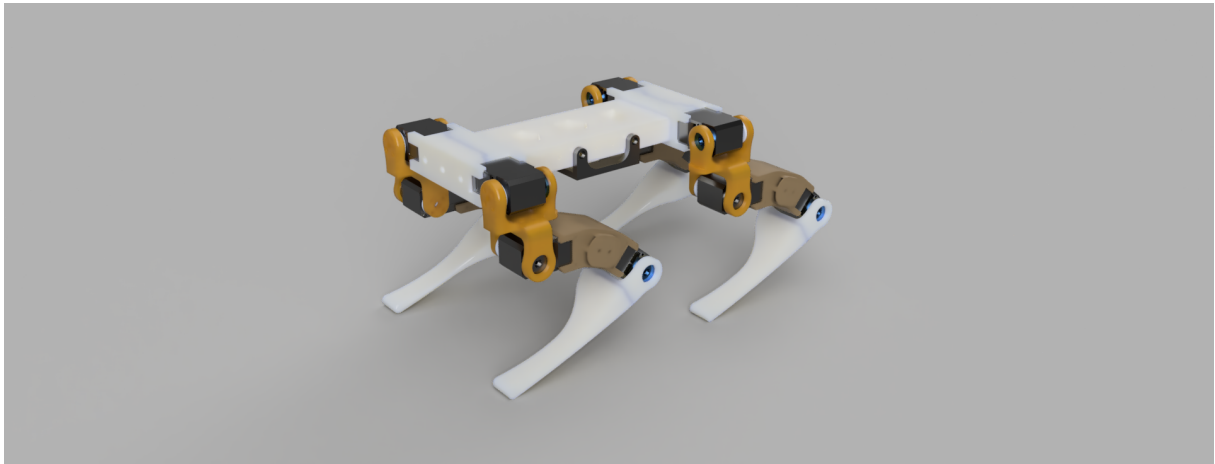WORK IN PROGRESS
I used these videos for testing:
https://www.youtube.com/watch?v=s-
l_DRNmJnQ&list=PLQYW5Ukp-1D_FRR0KD51R6hhgliptPozZ

LINKS:

- https://s.click.aliexpress.com/e/_AZySmY
- https://s.click.aliexpress.com/e/_AZySmY
- https://s.click.aliexpress.com/e/_Atpr7e
- https://www.hiwonder.hk/products/hiwonder-lx-16a-serial-bus-servo
- https://www.hiwonder.hk/collections/servo-controller/products/serial-bus-servo-controller

Print Parameters:

- Nozzle: 0,4 mm
- Resolution: 0,2 mm
- Infill: 50
- Filament material: PETG

This remix is based on

DOGGO
- simple
robot
dog

DOGGO - simple robot dog

by Ezojil

Model files

p22.stl

p31.stl

p61.stl

p21.stl

p40.stl

p33.stl

p32.stl

p51.stl

p52.stl

p10.stl

p62.stl

Other files

1.pdf
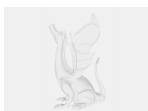
2.pdf

3.pdf
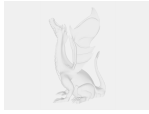
4.pdf

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