



features

Two configurations available: (1) Azimuth-Elevation (2) X-Y axis

Two motor options: (1) Stepper motors, (2) DC motors with encoders

Open hardware design optimized for 3D printed parts and off-the-self components

Low cost, durable and weather-proof design

We designed our v3 rotator to be easily constructed, modular and re-usable for multiple rotator applications

specs

| | |
|-------------------|------------------------|
| Rotation Speed: | 20 deg/sec |
| Total Rotation: | Az: 360 deg, El: 90deg |
| Motor V & A: | 12V @ 1.6A |
| Holding Torque: | 20 Nm |
| Operating Torque: | 10 Nm |
| Interface: | rotctl hamlib protocol |
| Size: | 316x164x242 mm |
| Weight: | 6 kg |

Our specifications have been designed for satellite ground station operations on VHF UHF and S-band.

links

| | |
|-----------------------|---|
| Documentation: | satnogs.dozuki.com |
| Designs: | github.com/satnogs/satnogs-rotator |
| Community Forum: | community.satnogs.org |
| Main SatNOGS website: | satnogs.org |

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