

NAVIC DRONE NAVIGATION UNIT

ELNDNUV1A



ELNDNUV1B



FEATURES:

- > Support Multi GNSS : NavIC, GPS, GLONASS, GALILEO.
- > Uses SBAS: GAGAN, EGNOS, MSAS.
- > Has more than 128 channels.
- > Ultra-low power consumption.
- > Faster TTFF, Cold start.
- > No loss of fix due to momentary loss of power.
- > Tiny form factor and weight less than 70 grams.



ELENA GEO SYSTEMS PRIVATE LIMITED

62/1, 1st Cross, 2nd main, Ganganagar, Bengaluru, India, PIN : 560032

+080 23554555 +91 9384864411 +91 9384864422

info@elenageosystems.com sales@elenageosystems.com

www.elenageosystems.com



ELENA NAVIC DRONE NAVIGATION UNIT

TECHNICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS
GNSS	All GNSS Open Services: NAVIC / IRNSS, GPS, GLONASS, Galileo, Beidou
Channels	Support more than 128 channels
Update rate	1Hz default, up to 10Hz
Sensitivity	Tracking: -165dBm Cold start: -148dBm
Acquisition Time	Hot start (Open Sky): 1s Cold Start (Open Sky): < 10 s
Position Accuracy	Autonomous: 1 m (CEP)
Max. Altitude	< 18,000 m
Max. Velocity	< 500m/s
Protocol Support	NMEA 0183 ver. 4.1 Sentences: GGA, GLL, GSA, GSV, RMC, VTG, GST
DC Supply Input Voltage	5 V
Temperature	Operating Temperature: 0 °c to 85 °c Storage Temperature: 0 °c to 85 °c
Form Factor	Tiny form factor compare to existing navigation units
Weight	Less than 70 grams

ELENA GEO SYSTEMS PRIVATE LIMITED

62/1, 1st Cross, 2nd main, Ganganagar, Bengaluru, India, PIN : 560032

+080 23554555 +91 9384864411 +91 9384864422

info@elenageosystems.com sales@elenageosystems.com

www.elenageosystems.com



ELENA NAVIC DRONE NAVIGATION UNIT

COMPARISON SHEET

PARAMETER	ELNDNU _{xxx}	OTHERS
GNSS	All GNSS Open Services: NAVIC / IRNSS, GPS, GLONASS, Galileo, Beidou	GPS, GLONASS
Channels	more than 128 channels	40 – 60 channels
Time to first fix	Less than 10 s	more than 60 s
Position Accuracy	CEP: Less than 1 m	CEP: more than 5 m
Supports all satellite augmentation systems	Yes	No
Easy to Integrate	Yes	No



ELENA GEO SYSTEMS PRIVATE LIMITED

62/1, 1st Cross, 2nd main, Ganganagar, Bengaluru, India, PIN : 560032

+080 23554555 +91 9384864411 +91 9384864422

info@elenageosystems.com sales@elenageosystems.com

www.elenageosystems.com

