

# KNS-10ULV-KA

**SUPERTRACK**

*TACTICAL SATCOMS*

<b>Dish Diameter</b>	100cm(40")
<b>Antenna Weight</b>	184 Kg
<b>Radome Material</b>	Composite FRP
<b>Frequency</b>	TX : 29.5 ~ 31.0 GHz RX : 19.7 ~ 21.2 GHz
<b>Antenna Gain</b>	TX : 45.6 dBi @ 30.5 GHz RX : 44.6 dBi @ 20.7 GHz
<b>G / T</b>	22.05 dB/K @ 20.7 GHz @ 30deg. Elevation angle and 11.75GHz, Clear Sky
<b>EIRP</b>	63.1dBW @30.25GHz with 80W BUC
<b>Operating Platform</b>	3 - Axis
<b>LNB</b>	Single PLL LNB
<b>Polarization</b>	Circular (Automatic Switching LHCP/RHCP)
<b>Elevation Angle</b>	-20° to +110°
<b>Azimuth Range</b>	Unlimited
<b>Cross Angle</b>	± 35°
<b>Tracking Speed</b>	More than 90°/sec



<b>Ship Motion</b>	Roll : ±24° at 8-12 sec periods Pitch : ±14° at 6-12 sec periods Yaw : ±8° at 15-20 sec periods
<b>Vibration Damper</b>	Wire Rope
<b>Temperature</b>	-20°C ~ +55°C
<b>Input Power</b>	28V DC
<b>Power Consumption</b>	1200W max.
<b>Communication to ACU</b>	RS-422 Serial Communication

## ANTENNA CONTROL UNIT (ACU)



<b>ACU Size</b>	19" Rack 1U size
<b>Gyro Interface</b>	NMEA 0183, Synchro, Step by Step
<b>Input Power</b>	85~254V AC, 12A, 47~63Hz
<b>External I/O</b>	RS-232C, RS-422, Mini-USB, Ethernet, Console
<b>Monitoring</b>	SMA Female port for RX & TX
<b>STATUS LED</b>	Tracking, Error, GPS



\* This Specification can be changed without notice.

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