



# DUAL BAND

## Z10MK4 DUAL

This is the world-first Ku/Ka automatic switching dual band antenna system developed by KNS. Tx/Rx configuration is not limited to single band, but hybrid, which means the antenna can receive in Ku-band and transmit in Ka-band simultaneously, vice versa. The electrical band switching does not require you any hardware replacement.



Ku/Ka-BAND	Ku - BAND	Ka - BAND
Dish Diameter	105 cm (41")	
Antenna Weight	112 kg	
Antenna Dimension	144cm (D) X 152cm (H)	
Radome Material	FRP	
Frequency	TX : 13.75 ~ 14.50 GHz RX : 10.70 ~ 12.75 GHz	TX : 29.00 ~ 30.00 GHz RX : 19.20 ~ 20.20 GHz
Antenna Gain	TX : 42.45 dBi @ 14.25 GHz RX : 39.75 dBi @ 11.85 GHz	TX : 47.10 dBi @ 29.75 GHz RX : 43.35 dBi @ 19.95 GHz
G /T	17.71 dB/K @ 30deg. Elevation angle and 11.85GHz Clear Sky	18.35 dB/K @ 30deg. Elevation angle and 19.95GHz Clear Sky
Operating Platform	3-axis	
Polarization	Linear	Circular
LNB	Single PLL LNB, Selectable LO PLL LNB(optional)	
BUC	Ku-band : 8W / Ka-band : 5W	
BMIP	Included (BUC M&C Control)	
Elevation Angle	-20° to +110°	
Azimuth Range	Unlimited	
Cross Angle	± 35°	
Tracking Speed	More than 90°/sec	
Vibration Damper	Rubber damper	
Ship Motion	Roll : ±24° at 8~12 sec periods Pitch : ±14° at 6~12 sec periods Yaw : ±8° at 15~20 sec periods	
Temperature	-20°C ~ +55°C	