

Kilichain

High Tracking Accuracy
Modem Compatability
Open Platform Compatibility
Easy Installation
Stable and Reliable Tracking
Advanced System Control



Kilichain

KV6

Specifications

Trackings	
Stabilization forms	3-axis stabilized: Azimuth, Elevation, Roll, Skew
Tracking forms	4-axis stabilized: Azimuth, Elevation, Roll, Skew
Tracking & location mode	Built-in inertial guidance & BDS/GPS
Azimuth range/ tracking rate	Unlimited/ $\pm 90^\circ$ @36S
Elevation range/ tracking rate	$-20^\circ \sim 120^\circ / \pm 20^\circ$ @3S
Roll range /tracking rate	$\pm 38 / \pm 25^\circ$ @4S
Skew range	$\pm 167.5^\circ$
Initial lock	$\leq 60S$
Re-lock after break lock time	Break lock < 30S; Re-lock < 3S
Tracking braking system	Azimuth, Elevation, Roll, Skew

Communications	
TX frequency	13.75~14.5GHz
TX gain	≥ 37.8 dB (14.25GHz)
RX frequency	10.7~12.75GHz (KU-Band)
RX gain	≥ 36.7 dB (12.5GHz)
G/T	14.2dB/K (Clear sky 30° elevation)
LNB KU-Band	L.O: 9.75/10.6/11.3GHz (Customizable)
Polarization	Linear polarization
Cross- POL isolation	>30dB
Min. EIRP	46 dBW

Physicals	
Radome height	93.6cm (36.85 inch)
Radome diameter	81.85cm (32.22 inch)
Reflector diameter	65cm (25.59 inches)
Radome color	White/Blue
Radome materials	ASA+ABS/ABS+PC
Antenna weight	Standard Config: 43.9kg/96.78lbs
ACU weight	2.9kg
Environmental humidity	0~95%
Working temperature	$-25^\circ C \sim 70^\circ C$
Ingress protection	IP56
Satellite band	KU-Band
Antenna type	Ring focus rear feed antenna
ACU size	350*230*50.98mm (Without bracket)

Electricals	
Power input	AC: 100V~240V/50Hz DC: 15-36V
Power output	DC: 24V
Static power (Without BUC)	Average: $\leq 15W$ Peak value: $\leq 40W$
Dynamic power (Without BUC)	Average: $\leq 25W$; Peak value: $\leq 50W$
BUC power	4W/6W/8W/16W (Optional)

*All specifications are subject to change without notice.

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