

Kilichain

High Tracking Accuracy

Modem Compatability

Open Platform Compatibility

Easy Installation

Stable and Reliable Tracking

Advanced System Control



Kilichain

KV8

Specifications

Trackings	
Stabilization forms	3-axis stabilized: Azimuth, Elevation, Roll
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	$-10^\circ \sim 105^\circ / \pm 20^\circ @ 5S$
Roll range/tracking rate	$\pm 35 / \pm 20^\circ @ 5S$
Skew range	$\pm 167.5^\circ$
Initial lock	S60S
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	40.0dBi (14.25Ghz)
RX frequency	10.7~12.75GHz(KU-Band)
RX gain	38.9dBi (12.5Ghz)
G/T	17.0dB/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	44 dBW

Physicals	
Radome height	102cm (40.16 inch)
Radome diameter	104.6 cm (41.18 inch)
Reflector diameter	83 cm (32.7 inch)
Radome color	White/Blue
Radome materials	ASA/SMC
ASA/SMC	58kg/128lbs
ACU weight	2.9kg
Environmental humidity	0~95%
Working temperature	$-20^\circ C \sim 60^\circ C$
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	37W (Without BUC power)
Dynamic power	57W (Without BUC power)
BUC power	4W/6W/8W/16W (Optional)

*All specifications are subject to change without notice.

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