

# Satellite TV Antenna

SamyungTV AIX3-series supports multiple satellite selection



www.samyungenc.com

## ◆ Specification

Meets FCC and CE requirements

Model	AIX3-390	AIX3-450	AIX3-610	AIX3-850	AIX3-1000	AIX3-1200
						
Dish Diameter	39cm(15")	45cm(18")	61cm(24")	85cm(33")	100cm(40")	120cm(48")
Dimensions	44.6 X 56.5 (cm)	50 X 62 (cm)	73 X 82 (cm)	111 X 116 (cm)	139 X 151 (cm)	157 X 156 (cm)
Weight	14kg	19kg	31kg	57kg	90kg	105kg
Minimum EIRP	48dBW	46dBW	44dBW	44dBW	41dBW	39dBW
LNB	Quad/Quattro(Option)	Quad/Quattro(Option)	Quattro only	Quattro only	Quattro only	Quattro only
Operating Platform	3-Axis	3-Axis	3-Axis	3-Axis	3-Axis	3-Axis
Control Unit	Yes	Yes	Yes	Yes	Yes	Yes
Skew Control	Automatic(-50°~+50°)	Automatic(-50°~+50°)	Automatic(-50°~+50°)	Automatic(-50°~+50°)	Automatic(-50°~+50°)	Automatic(-50°~+50°)
GPS	Yes	Yes	Yes	Yes	Yes	Yes
DiSEqC	DiSEqC 1.2	DiSEqC 1.2	DiSEqC 1.2	DiSEqC 1.2	DiSEqC 1.2	DiSEqC 1.2
Azimuth Range	640°	640°	640°	640°	Unlimited	Unlimited
Tracking Speed	More than 90°/sec	More than 90°/sec	More than 90°/sec	More than 90°/sec	More than 90°/sec	More than 90°/sec
Gyro Interface	N/A	N/A	N/A	Included(NMEA only)	NMEA, Synchro, Step-by-Step	NMEA, Synchro, Step-by-Step
RF-Cable	Customer supplied	Customer supplied	Customer supplied	Customer supplied	Customer supplied	Customer supplied
Power	DC 10~35V/AC(option)	DC 10~35V/AC(option)	AC100~230V Only	AC100~230V Only	AC100~230V Only	AC100~230V Only
Warranty	2Yr Patrs-1Yr Labour	2Yr Patrs-1Yr Labour	2Yr Patrs-1Yr Labour	2Yr Patrs-1Yr Labour	2Yr Patrs-1Yr Labour	2Yr Patrs-1Yr Labour
Advantage	<ul style="list-style-type: none"> <li>Optimal performance at minimum size &amp; weight</li> <li>Fast installation &amp; Easy maintenance</li> <li>Built in satellite database-upto 80 satellite and able to edit by user</li> <li>High Dynamic Accuracy by Innovative tracking Algorithm</li> <li>Globally Tested &amp; proven in severe weather conditions</li> <li>Low weight &amp; Low noise</li> </ul>					

# SAMYUNG Satellite TV/VSAT Antenna

Samyung will be always with you for your connection







# VSAT Antenna

The evolution of broadband at sea

## ◆ Specification

Meets FCC and CE requirements

Model	VS61	VS85	VS100	VS120
				
Dish Diameter	61cm(24")	85cm(33")	100cm(40")	120cm(48")
Dimensions	73 X 82 (cm)	111 X 116 (cm)	139 X 151 (cm)	142 X 156 (cm)
Weight	42.9kg	57.8kg	104kg	119kg
RX/TX Gain(dBi)*	35 / 36.5	38 / 38.5	40 / 41.5	41 / 42.5
RX/TX Freq. Band	TX : 13.75 ~ 14.5GHz Ku Band RX : 10.95 ~ 12.75GHz Ku Band	TX : 13.75 ~ 14.5GHz Ku Band RX : 10.95 ~ 12.75GHz Ku Band	TX : 13.75 ~ 14.5GHz Ku Band RX : 10.95 ~ 12.75GHz Ku Band	TX : 13.75 ~ 14.5GHz Ku Band RX : 10.95 ~ 12.75GHz Ku Band
G/T	14.0, 17.7, 19.7, 20.4 dB/k	14.0, 17.7, 19.7, 20.4 dB/k	14.0, 17.7, 19.7, 20.4 dB/k	14.0, 17.7, 19.7, 20.4 dB/k
BUC	4W/6W, 8W(Option)	4W/6W, 8W(Option)	4W/6W, 8W(Option)	4W/6W, 8W(Option)
Operating Platform	3-Axis	3-Axis	3-Axis	3-Axis
Gyro Compass Input	NMEA, Synchro, Step-by-Step	NMEA, Synchro, Step-by-Step	NMEA, Synchro, Step-by-Step	NMEA, Synchro, Step-by-Step
Skew Control	Automatic(-50°~+50°)	Automatic(-50°~+50°)	Automatic(-50°~+50°)	Automatic(-50°~+50°)
LNB	Linnear/Internal PLL	Linnear/Internal PLL	Linnear/Internal PLL	Linnear/Internal PLL
Vibration Damper	Rubber Damper	Rubber Damper	Spring(Mil-810, 167)	Spring(Mil-810, 167)
TX power supply	48VDC150W	48VDC150W	48VDC150W	48VDC150W
Elevation	-10° to 100°	-10° to 100°	-20° to 100°	-20° to 100°
Azimuth Range	Unlimited	Unlimited	Unlimited	Unlimited
Tracking Speed	More than 90°/sec	More than 90°/sec	More than 90°/sec	More than 90°/sec
Temperature	-20° C to 55° C	-20° C to 55° C	-20° C to 55° C	-20° C to 55° C
Humidity	Up to 100% @40° C	Up to 100% @40° C	Up to 100% @40° C	Up to 100% @40° C
Power	110/220AVC(100W)	110/220AVC(100W)	110/220AVC(100W)	110/220AVC(100W)
Warranty	2Yr Patrs-1Yr Labour	2Yr Patrs-1Yr Labour	2Yr Patrs-1Yr Labour	2Yr Patrs-1Yr Labour

\*Specification is subject to change without any notification





## Satellite TV Antenna

### SamyungTV AIX3-series

SamyungTV AIX3-series ensure that reliable, easy access to Satellite TV in digital picture and sound on yacht while sailing or mooring.

SamyungTV AIX3-series consists of a stabilized 39cm(15")~120cm(48") diameter antenna enclosed in an attractive white radome and an ACU(Antenna Control Unit). The ACU has the operation interface for the communication with SamyungTV antenna via RS232C port.

SAMYUNG ENC, the leader in satellite television, offers a complete line of high-performance SamyungTV antennas to deliver satellite entertainment almost anywhere you go.

SamyungTV antennas aren't just good, they're the best in the existing market.

SamyungTV AIX3-390 and AIX3-450 is designed for power and small yacht. AIX3-390 and AIX3-450 is smallest size and lightest weight. Built in GPS and 3-axis servo stabilization tracking system will be serving you fully stabilized TV channel from the satellite.

SamyungTV AIX3-610 and AIX3-850 provides increased signal reception area at sea and stronger signal reception in inclement weather because the larger dish is able to acquire more of the satellite's signal and increase the antenna gain.



#### SamyungTV AIX3-Series offers:

##### Fully Automated System

Auto skew control system /Automatic satellite search and identification

##### High Quality Antenna

SamyungTV antenna is in the form of a parabola to suite extreme marine environment conditions and to offer the best quality satellite television while in motion

##### Unsurpassed Dynamic Tracking

SamyungTV's unique tracking algorithm can track satellite signal even in the most extreme conditions, such as heavy storms which creates high waves

##### Easy Installation and Guaranteed Reliability

Guaranteed reliability through the implementation of modularized design and the usage of strictly proven components



## VSAT Antenna

### SamyungVSAT VS-series

The Best Solution for Broadband at Sea  
Smaller by volume and lighter than standard VSAT antenna

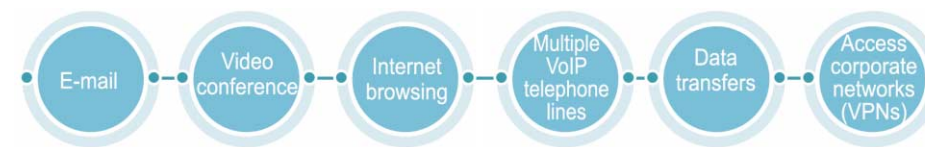
The SamyungVSAT VS-series are the perfect solution for owners of leisure craft, and small commercial as well as large and military vessels worldwide, who desire or require the same Internet experience at sea that they enjoy at home and in the office. SamyungVSAT VS-series antenna will bring lightning-fast broadband connections and simultaneous, reliable telephone service to your vessel at an affordable rate. Best of all, the system's compact design is easy to install and looks great on any vessel.

• Enjoy always-on high speed internet, e-mail, Multiple lines of VoIP Phone, and more with SamyungVSAT VS-series

• SamyungVSAT VS-series-The ultimate satellite communications solution for commercial and military maritime application.



#### What you can do with SamyungVSAT VS-series antenna



#### SamyungVSAT VS-Series offers:

Fastest data rates available

Easier and less expensive to install and maintain

Dynamic, gyro-stabilized tracking and military grade quality for outstanding performance and outstanding coverage in the world

