



# Jotron B120

Stabilized Ku VSAT antenna for  
broadband at sea



[www.jotron.com](http://www.jotron.com)



# ► Jotron B120

## DESCRIPTION

The Jotron B120 is an innovative stabilized antenna offering a simple and clean design. Use of the latest technology allows for high performance from very compact and robust RF and electrical components. A broadband link using Ethernet over coax up to the pedestal, ensures fast remote or local upload of all software, as well as powerful real time web based diagnostics with an optional webcam for inspection inside the radome.

The antenna has proven its high performance and robustness through extensive sea trials performed during harsh North Sea winter condition on demanding supply vessels. Our own designed advanced tracking receiver ensures optimum satellite tracking for all types of received carriers. The Jotron B120 also gives full flexibility in combinations of satellite frequencies and polarization including co- / cross-polarisation and the super extended transmit band. The Jotron B120 SW is based on open standards and is fully flexible concerning integration with different VSAT modems or other equipment. All Jotron B120 tracking data and performance indicators are logged, giving local and remote access to vital data to determine performance. Polarisation selection, fully automatic, Cross/co-pol.



## SPECIFICATIONS

Radome & Antenna	
Antenna:	1.25 m/49.6 in
Radome:	1.58m/62 in D x 1.66m/65.4in
Weight with Single Skin Radome:	140 kg
Stabilized Pedestal Assembly	
Stabilized platform:	3-axis
Elevation range:	-30° to 120°
Azimuth range:	Unlimited
Stabilization accuracy:	0.2° @ Max Ship's Motion
Max Ship's Motion	
Roll/Pitch/Yaw:	± 25 °, ± 15°, ± 8°
Turning rate:	16 deg/sec and 5 deg/sec <sup>2</sup>
System Parameters	
Tx frequency:	13,75-14,5 GHz
Tx/Rx Gain Midband:	43.3/42.2 dBi
System G/T at 12.0 GHz, (In Radome) (Typical):	20.4 dB/k, clear sky, 10° elevation
System max EIRP at 14.25 GHz, (In Radome) (Typical):	52.0 dBW

### Compliance:

EN 302 340  
EN 60945  
EN 60950  
FCC 04-286  
iDirect (Open AMIP™)  
STMI  
COMTECH

### Power requirements:

100-240 V, ± 10% ; 50/60 Hz, 250 W  
BUC supply is internal  
LNB supply is internal or external

### Agent/Distributor:

Jotron AS reserves the right to change the design and/or specifications at any time without prior notice. Reservations are also taken towards any general errors that may occur.

v.F

[www.jotron.com](http://www.jotron.com)

## CONTACT INFORMATION

**Jotron AS**  
P.O.Box 54  
3281 Tjodalyng  
Norway  
Tel: +47 33 13 97 00  
Fax: +47 33 12 67 80  
sales@jotron.com

**Jotron UK Ltd.**  
Crosland Park  
Cramlington  
NE23 1LA  
United Kingdom  
Tel: +44 (0) 1670 712000  
Fax: +44 (0) 1670 590265  
sales@jotron.com

**Jotron Asia Pte. Ltd.**  
19 Loyang Way  
Changi Logistics Centre  
Rear Office Block 04-26  
Singapore 508724  
Tel: +65 65426350  
Fax: +65 65429415  
sales@jotron.com

**Jotron USA, Inc.**  
10645 Richmond Avenue, Suite 170  
Houston, TX 77042  
USA  
Tel: +1 713 268 1061  
Fax: +1 713 268 1062  
sales@jotron.com