

# Beacon Receiver

**iNetVu™**

by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS



The iNetVu BR300L 19" rack mount Beacon Receiver is a high performance unit designed to track the power density of a satellite beacon in real time. It supplies a DC voltage output that is linearly proportional to the beacon power by utilizing a true, RMS - responding power detector.

The BR300L has been specifically designed to work seamlessly with all iNetVu controllers and antenna platforms.

### System Specifications

|                         |                               |
|-------------------------|-------------------------------|
| Input Frequency         | 930 MHz - 2300 MHz            |
| Pre-detection Bandwidth | 50 kHz                        |
| Input Level             | - 90 dBm (min), -30 dBm (max) |
| Frequency Tuning        | 10 kHz steps                  |
| Frequency Adjust        | Front panel or remotely       |
| AFC                     | ± 23 kHz                      |
| Threshold               | 45 dB-Hz, for acquisition     |
| Input Impedance         | 75 Ohm                        |
| Input Connector         | Type F, Female                |
| Output Impedance        | 100 Ohm, Single ended         |
| Output Connector        | Terminal Plug & BNC Female    |
| Tracking Gradient       | 0.5 V/dB                      |
| Tracking Response       | 0 to +10 VDC                  |
| System Level Range      | 60 dB                         |
| System Level Adjust     | 0 to 60 dB, 0.5 dB Steps      |
| Frequency Stability     | <1 ppm, 0° c to +50° c        |
| Frequency Reference     | 10 MHz (Internal)             |

|                     |  |
|---------------------|--|
| Phase Noise         | >75 dB-Hz, 1 kHz from Carrier                  |
| Alarms              | Unit Lock                                      |
| Alarm Relay         | Form-C   |
| External LNB Power  | +18 VDC, Switched, In/Out, 500ma, max          |
| Front Panel Display | Vaccum Fluorescent                             |
| M & C               | RS-232 or<br>RS-422/485 switched on rear panel |
| M & C Connector     | DB-9, Female                                   |

### Environmental Specifications

|                       |                  |
|-----------------------|------------------|
| Operating Temperature | 0° c to +50° c   |
| Storage Temperature   | -40° c to +70° c |
| Humidity              | 95% RH @ 40° c   |

### Physical Specifications

|               |  |
|---------------|--|
| Size          | 1.75" H X 16" D X 19" W                |
| Weight        | 8 lb. (3.63 Kg)                        |
| Primary Power | 90-264 VAC 47 - 63Hz, 1.4A Autosensing |

Standard warranty: 2 years

\* For input impedance and input connector, 50 Ohm N or SMA Type is available.

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Specifications are subject to change

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