The ViaLiteHD Satcom6 weatherproof outdoor enclosure is designed to mount on or near an antenna. The enclosure accepts up to six ViaLiteHD RF or support modules including splitter and switch modules to allow for full redundancy.

RF modules up to 4.2 GHz, including L-Band and IF 70-140 MHz, as well as remote monitoring SNMP control over Ethernet. Links can combine into a single fiber when using CWDM and support redundancy on Rx and Tx chains.

**MAIN OPTIONS**

- LNB powering through RF connection to LNB control circuit with 13/18VDC & 22 KHz tone
- BUC Bias T with external input 24 V, -48 V and +48 V
- RF connectors: N-type 50Ω or 75Ω
- Full web-based SNMP functionality
- Optical connectors: Fastline, SMPTE, TAC4, TAC12
- Data: RS232/422/485 or GbE
- Heater and Sunshield options

Note: Only certain combinations are possible, please contact our sales team who will take your requirement.

**ViaLiteHD MODULES**

The Satcom6 enclosure accepts up to six ViaLiteHD Yellow OEM modules.

Choose modules such as transmitters, receivers and transceivers up to 4.2 GHz, plus support modules such as Digital Data and Ethernet.

Modules that enable redundancy, such as splitter and switch modules, are also available.

For specific performance data, please refer to the datasheet for each ViaLite module.
# RF Over Fiber Systems
## Satcom6 Outdoor Enclosure

### TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of RF links</td>
<td>Up to 6</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP66</td>
</tr>
<tr>
<td>External Dimensions (H:W:D)</td>
<td>Height 380 mm, width 300 mm, depth 210 mm</td>
</tr>
<tr>
<td>Weight (without modules)</td>
<td>Approx. 15 kg</td>
</tr>
<tr>
<td>Material</td>
<td>304 stainless steel</td>
</tr>
</tbody>
</table>

### User Interface

- **RF Input / Output Connectors**: N-type (50Ω or 75Ω) female, weather proof
- **Optical Fiber Connections**: Multicore optical cable to fit PG7 gland / Fastline cross site cab / TAC-4, TAC-12, SMPTE
- **Power Supply Connections**: Neutriks Powercon True1

### Electrical Specifications

- **Supply Voltage Options**: AC: 88-264 V, DC: 15, 24 or 48 V
- **LNB powering options**: On board 12/18/24 V + 22 KHz (manual and SNMP switchable)
- **BUC Supply Voltage Options**: BUC bias T with external input (+24 V, -48 V, +48 V), external 5A plug

### Alarm Indications

- **Indicator Type**: External LED
- **Channels Monitored**: PSU voltage rail, digital module alarms, analogue monitors
- **SNMP**: Optional

### Environmental Specifications

- **Operating Temperature Range**:
  - -10°C to +55°C without heater
  - -20°C to +55°C with single DC heater
  - -30°C to +55°C with dual DC heaters
  - -40°C to +55°C with dual AC heaters
- **Storage Temperature Range**: -40°C to +70°C
- **Climate Control**: Humidity ventilator, heater (optional), sunshield (optional)