RF Over Fiber Systems
Satcom6 Outdoor Enclosure

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- 6 module capacity
- Remote monitor and control via SNMP or Ethernet
- Weatherproof: environmental rating IP66
- Wall or pole mounted

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 50ff or 75ff
- 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.

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TECHNICAL SPECIFICATION

Number of RF links	Up to 6
IP Rating	IP66
External Dimensions (H:W:D)	Height 380 mm, width 300 mm, depth 210 mm
Weight (without modules)	Approx. 15 kg
Material	304 stainless steel

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)

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