

## ViaLiteHD<sup>®</sup> – 3U Rack Chassis

### 3U Rack Chassis

- Accepts up to 13 *ViaLiteHD* RF/data Rack chassis cards
- Up to 26 links per Rack chassis
- Incorporates backplane PCB for:
  - Distribution of DC power
  - Alarm status and data
- AC Power supply
- Dual redundant power supplies
- Hot swappable Rack Chassis cards
- Fan assembly option available



The *ViaLiteHD* 3U Rack chassis accepts up to thirteen RF/data Rack chassis cards, plus a Monitoring and Control (M&C) module and dual power supply modules.

- Blind mate interface means Rack chassis cards can be swapped without changes to the cabling.
- D-type connectors provide access to data for each Rack chassis card.
- Alarms and analogue monitors routed to an SCSI-3 connector.
- External LNA/LNB voltage feeds via an SCSI-3 connector.
- Data bus allows transfer of data between modules.
- Full 1:1 redundancy features available using RF switches and splitters.

### Fan Assembly Option

A fan assembly can be incorporated into the 3U Rack chassis, which contains 12 small fans that increase air circulation throughout the Rack chassis. This makes it possible to install the Rack chassis in outdoor enclosures, in warmer ambient temperature conditions.

Furthermore, the fan assembly increases the product lifetime of the Rack Chassis and its cards by improving the Mean Time Between Failure (MTBF). This is achieved by reducing the internal air temperature.



## Technical Specification

	3U 19" Rack Mounting Chassis
Max. number of 5HP modules	13 (in slots 1-13 only) for RF / data / redundancy modules
Max. number of 7HP modules	1 (in slot 14 only) for M&C
Max. number of PSU modules	2 (in slots 15,16 only) for power supplies
Width	19" rack mounted equipment (approx. 483 mm)
Height	3U (5.25 inches = approx. 134 mm)
Depth	265 mm (approx. 10.4")
Maximum weight	1.8 kg (Rack Chassis ONLY)
Cooling	Convection (slots 1-14); Forced air (slots 15,16) exhaust at rear Optional fan assembly pushes air into the Rack Chassis
Operating Temperature	-20 °C to +60 °C
Humidity	0-95 %, non-condensing
AC Power supply compatibility	HPS-3
Rack power input (AC)	2 x IEC 60320, 3 pins each
Chassis earth	Rear panel M4 stud
Data connector (each module position)	9 way Female D-Type with screw-lock termination on back plane
Alarm concentrator connector	J1: SCSI-3 Concentrates the alarms from each module to a common point on back plane. Type: 50 way connector Har-mik® female [SCSI-3]
Power concentrator connector	J4: SCSI-3 Allows input of external voltage feed Type: 50 way connector Har-mik® female [SCSI-3]
ViaLiteHD plug-in module compatibility	All types

## Optional Accessories

Part Number	Description
73870 (HRK chassis format)	TTL input, 9-way D-Type Male connector to BNC Male connector, 6 metres. Can be used for IRIG timing signals.
73871 (HRK chassis format)	TTL output, 9-way D-Type Male connector to BNC Male connector, 6 metres. Can be used for IRIG timing signals.