

ViaLiteHD® – ODE-B3U Outdoor Enclosure

Outdoor Enclosure for 3U chassis

- Houses *ViaLiteHD* HRK-3
- Benefit from all HRK-3 supported features:
 - Dual redundant PSU
 - Monitoring & Control
 - All *ViaLiteHD* RFoF rack modules
- High module / channel density
- Simple tilt mechanism for easy access
- Waterproof power, fiber and Ethernet outdoor connectors
- IP66 rated enclosure
- 5-year warranty

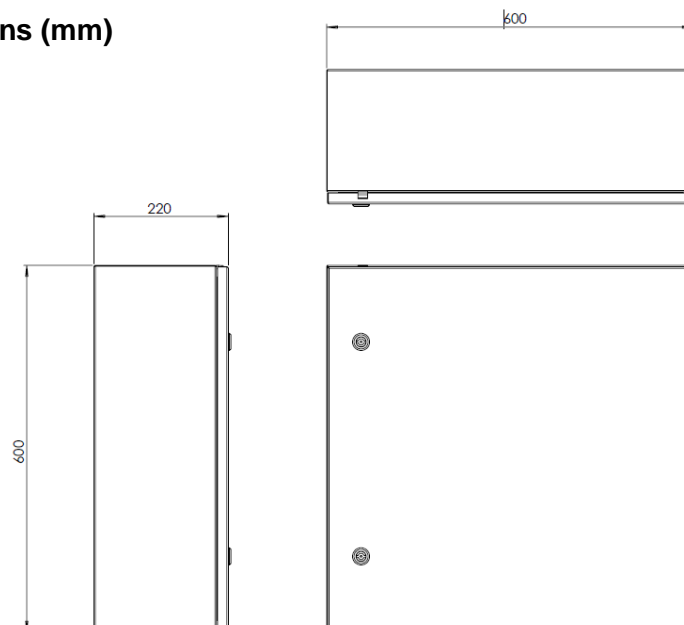


The *ViaLiteHD* ODE-B3U brings all the features and benefits of the *ViaLiteHD* HRK-3 19" 3U chassis and its compatible rack based modules into a compact outdoor enclosure. The enclosure is powder coated stainless steel and has an IP66 ingress protection rating. It is typically installed on a wall, rooftop or antenna hub where RF and other services are transmitted over optical fiber to a remote equipment room. For ease of installation and maintenance, the full 3U rack can tilt forwards. Also contained within the ODE-B3U is an integral fiber patch panel and customized gland plate for fiber, RF, power and data connections.

Options

- The enclosure is available with a heater and/or solar shield as environmental options.
- An optional fan assembly for the *ViaLiteHD* 19" 3U rack chassis allows the enclosure to run in hotter ambient conditions.

Mechanical Dimensions (mm)



Technical specifications

Parameter	ODE-B3U Enclosure
Recommended maximum number of RF channels / modules (1)	20
IP Rating	IP66
External Dimensions	600 x 600 x 220 mm
Weight (unloaded)	19 kg (Enclosure and Empty Rack)
Material	Powder coated Stainless Steel
Max RF Input / Output Connectors	20 x N-Type female
Max Optical Fiber Connections	2 x Fiber split gland
Max Power Supply Connections	3 x Power split gland
Max RJ45 Connections	2 x RJ45
PSU Options	Single or dual redundant
Supply Voltage Options	88-264 VAC 20-72 VDC
Min Operating Ambient Temperature	-20 °C -40 °C (with heater)
Max Operating Ambient Temperature (2)	+60 °C / 4 RF modules +55 °C / 8 RF modules +50 °C / 12 RF modules +45 °C / 16 RF modules
Storage Temperature	-40 °C to +70 °C
Climate Control	Humidity ventilator

- (1) See limit of number of RF channels / modules versus maximum allowable ambient temperature
 (2) Assumes HRK-3S fitted with 2 x HPS-3 PSU, 1 x HRC-3 Monitoring and Control, fan tray option, solar shield and module temperature operating is limited to +65 °C. RF module can be any combination of standard Tx, DWDM Tx or Rx module.

Popular products

HB0-74-20-10-10000

Outdoor Enclosure ODE-B3U, with no Environmental Options, with a Gland plate with 4x 50 Ohm N-type connectors, a M20 Insert supporting 6-8mm Diameter Fiber Cable, no secondary Fiber Insert, 1x Neutrik Mains cable gland, with no other Power Gland inserts, 1x RJ45 connector.

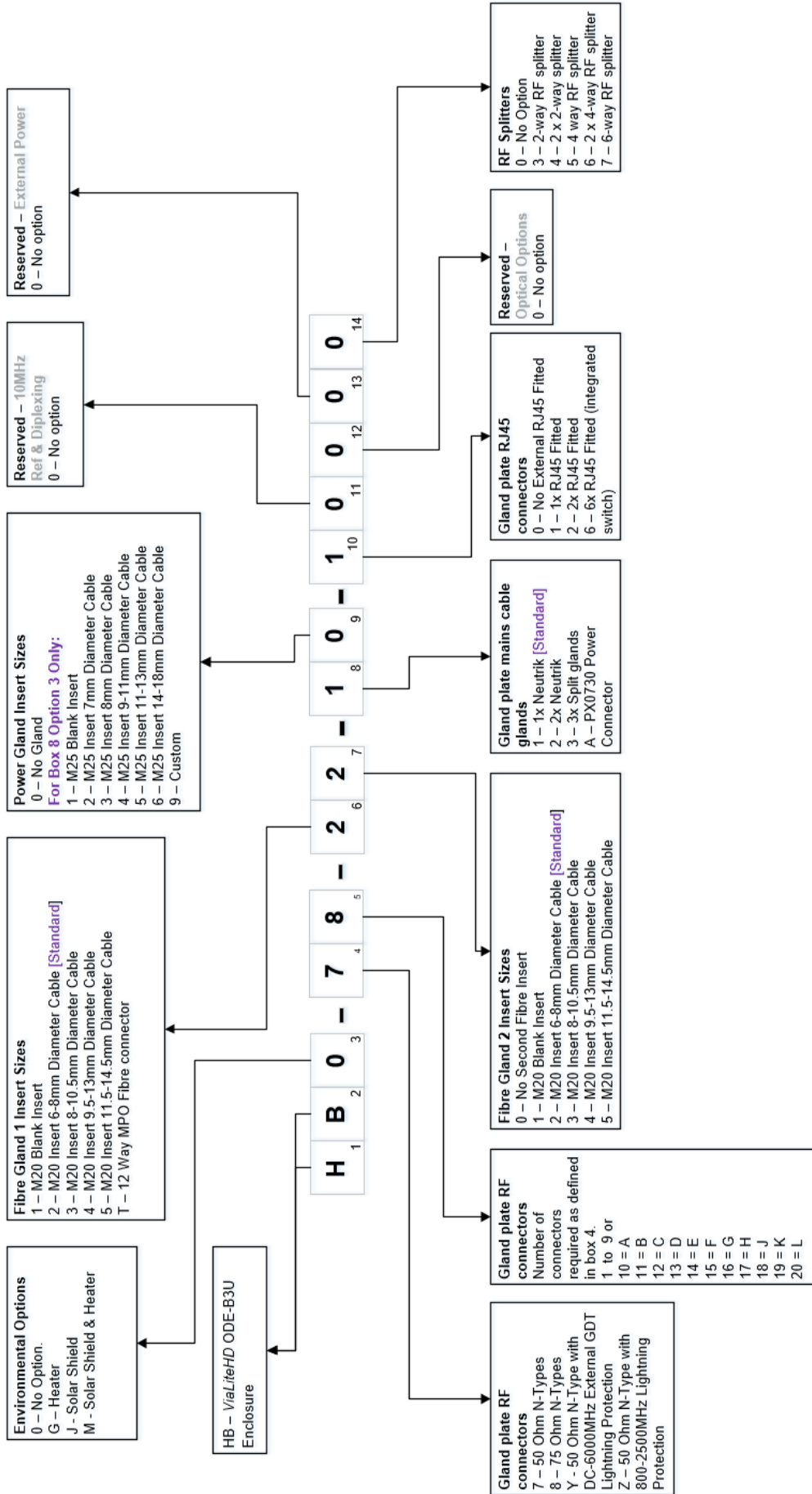
HBJ-7A-22-20-20000

Outdoor Enclosure ODE-B3U, with Solar Shield, with a Gland plate with 10x 50 Ohm N-type connectors, a M20 Insert supporting 6-8mm Diameter Fiber Cable, a secondary M20 Insert supporting 6-8mm Diameter Fiber Cable, 2x Neutrik Mains cable gland, with no other Power Gland inserts, 2x RJ45 connector.

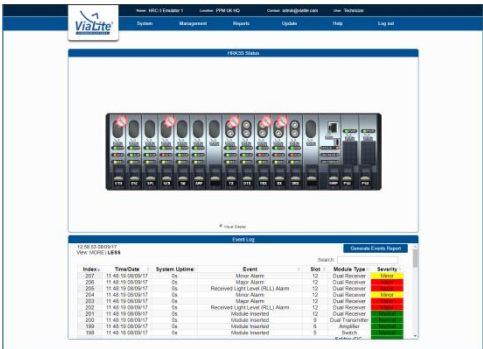
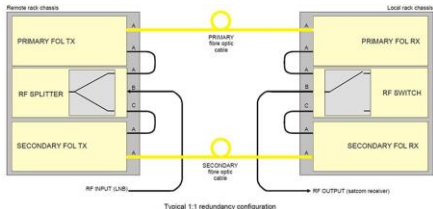


HB0-78-22-10-20000

Outdoor Enclosure ODE-B3U, with no Environmental Options, with a Gland plate with 8x 75 Ohm N-type connectors, a M20 Insert supporting 6-8mm Diameter Fiber Cable, a secondary M20 Insert supporting 6-8mm Diameter Fiber Cable, 1x Neutrik Mains cable gland, and no other Power Gland inserts, 2x RJ45 connector.

Product configurator



Supporting products

Type	Key Features
<p>Monitoring and Control Web Browser/Module</p> 	<ul style="list-style-type: none"> • Easy to use graphical user interface (GUI) • Real time monitoring of card performance • Alarm monitoring and event logging • Control of gain adjustment • Compatible with all ViaLiteHD rack chassis and cards • Easy integration with network management systems (NMS) using management information base (MIB) tables • Actively manage redundancy switching • New RF cards can be automatically reprogrammed with the previous card parameters • Remote SNMP to local SNMP connection via optical fiber • Provides remote LAN 10/100/1000 Ethernet link
<p>Dual Redundancy</p> 	<ul style="list-style-type: none"> • 1:1 redundancy for L-Band • Maximizes link up-time • Can be used to backup copper coax • Manual and automatic control via Monitoring & Control Modules • Flexible configuration options • Other redundancy options available
<p>Rack Chassis</p> 	<ul style="list-style-type: none"> • 3U accepts up to 13 RF or Support cards, plus an Monitoring & Control Module and dual power supplies • A 1U chassis accepts up to 3 RF or Support cards or 2 cards and a Monitoring & Control Module (with dual power supplies) • Up to 26 channels per 3U chassis (using dual RF cards) – reducing the amount of rack space required • Blind mate option • All modules hot-swappable and auto-reconfigure with monitoring and control option • On-card LNB and BUC power options • Power fed through rear chassis connector to card Bias Tees • System can be monitored and controlled remotely via SNMP using a web browser
<p>Outdoor Enclosures</p> 	<p>Further enclosures available</p> <ul style="list-style-type: none"> • CE approved and EMC compatible • IP rated and NEMA approved • Plug and play format • Suitable for harsh environments • All modules hot swappable • Dual redundant power options • Interface for monitoring and control (M&C) systems