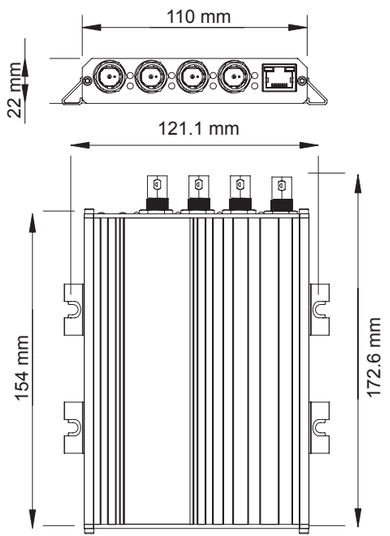
PRODUCT DIMENSIONS



RoHS CE FC

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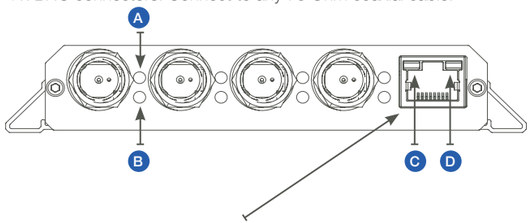
CONNECTIONS AND LEDS

LOCATION	POE LED	FUNCTION	GREEN	ORANGE	RED
A	**COAX LINK ACTIVITY**	Coax data connection	**Blink** = No link to camera **On** = 100Base-TX to camera **Flash** = 100Base-TX activity	**Blink** = 10Base-T link to camera **Flash** = 10Base-T activity	**On** = Data rate <100% Cable distance at limit
B	**COAX POE (Power)**	POE over coax status	**On** = Device detected	**On** = Approaching power limit **Flash** = Short circuit. Check for cable faults or incompatible equipment	**On** = Power limit reached **Flash** = POE discontinued due to overload

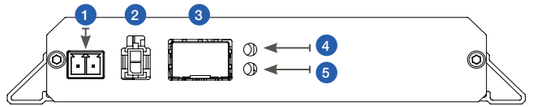
4 x BNC connectors. Connect to any 75 Ohm coaxial cable.



	ETHERNET LED	FUNCTION
C	**RJ45 Yellow**	On = link Blink = activity
D	**RJ45 Green**	On = Power on

CONNECTIONS AND LEDS

57V Power Supply Options : Connect to either option 1 **OR** option 2



FUNCTIONS
1 57V DC Power
2 57V DC Power
3 SFP Module
4 SFP Top LED
5 SFP Bottom LED

SFP LED	OPERATION
Top 4	**Red** = No module inserted **Green** = Device inserted
Bottom 5	**Off** = No module inserted **Red** = No device link detected **Green** = Link detected

VHW-HWPS-B4

QUICK START GUIDE

4 PORT EOC BASE WITH POE PLUS

HIGHWIRE™
POWERSTAR BASE 4

veracity

OVERVIEW

HIGHWIRE Powerstar products are designed to enable the transmission of standard Ethernet and POE (Power over Ethernet) over coaxial cables originally installed for analogue video transmission for CCTV.

These devices can be classed as adaptors or media converters. They are typically used where analogue CCTV cameras are being replaced with modern digital network cameras, known as “IP cameras”. This permits IP cameras to be installed without having to replace cable and re-wire buildings.

In most CCTV installations, multiple coaxial cable runs will come together at a central point (e.g. equipment room or control room). The Base units are located here. Whilst multiple single-channel HIGHWIRE Powerstar Base units can be used for multiple channels, it is more cost-effective to provide integrated multi-channel units with an internal Ethernet switch, allowing more than one coaxial cable to be connected into the network system per HIGHWIRE device.

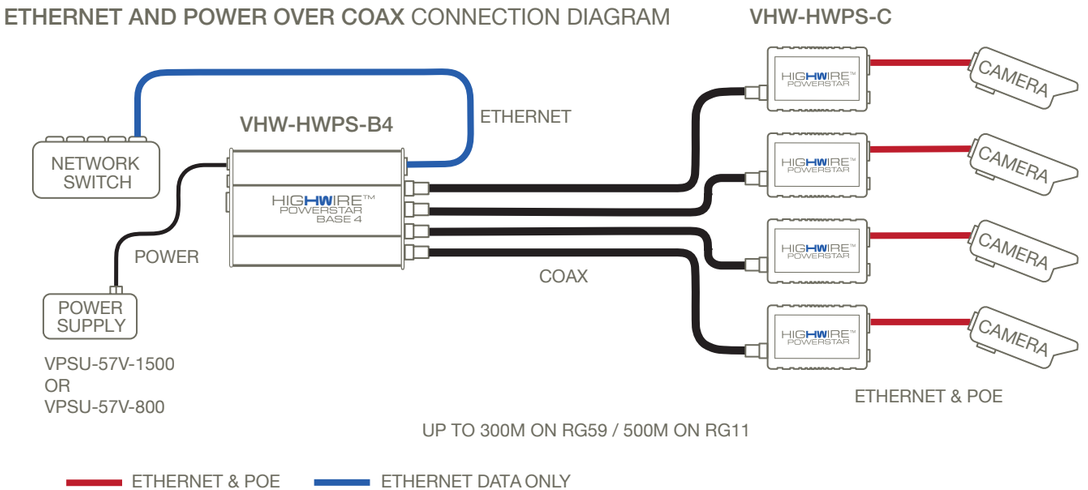
HIGHWIRE Powerstar Base 4 provides four coaxial cable connections. The Base unit has a single standard RJ45 Gigabit Ethernet port to allow connection to a main network switch.
An SFP socket is also provided to allow a fibre network connection if required by the application.

All HIGHWIRE Powerstar Base 4 units must be powered through a DC power connector which is designed for a maximum of 6A at 57V DC.

Either the 1500mA or 800mA Veracity 57V DC Power Supplies are recommended.

APPLICATION DIAGRAM ETHERNET OVER COAX

ETHERNET AND POWER OVER COAX CONNECTION DIAGRAM



INSTALLATION

- Connect the coax cable for 1-4 cameras or POE / non-POE devices to the BNC connectors of the HIGHWIRE Powerstar Base 4 at the switch end.
- Connect the coax cable to the BNC connectors of the HIGHWIRE Powerstar Camera units at the camera end.

- Connect 1-4 cameras or POE / non-POE devices to the RJ45 ports of the HIGHWIRE Powerstar Camera units at the camera end.
- Connect the HIGHWIRE Powerstar Base 4 unit to a network switch.
- Connect the HIGHWIRE Powerstar BASE 4 unit to your chosen 57V Veracity Power Supply. The installation is complete.

TECHNICAL SPECIFICATION

Power Input	PSU 57V DC up to 6A via a 2 pin detachable screw terminal (supplied) or a 2 pin Micro-Fit power connector
EOC Power Output	Max 25W per port (POE Plus)
Ethernet Interface	Connector type RJ45 Ethernet Gigabit port to allow connection to a main network switch
HIGHWIRE Interface	Connector type BNC 75 Ohm Range Up to 300m on RG59, 500m on RG11 Bandwith 200Mbps (total up + down)
Dimensions	173 x 121 x 22mm (6.8 x 4.8 x 0.9in) inc clips
Weight	356g (12.5oz) unpackaged
Compliance	RoHS, CE, FCC, REACH
Temperature	Operating 0°C to 40°C (32°F to 104°F)
Relative Humidity	85% non condensing
Installation	The unit is supplied in an aluminium chassis with rubber feet. It may be used as a stand-alone or may be rack mounted via available accessories.

IMPORTANT SAFETY NOTES

- This equipment is designed for indoor use only.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- Contact details for Sales and Technical Support can be found on the Company website: **www.veracityglobal.com**