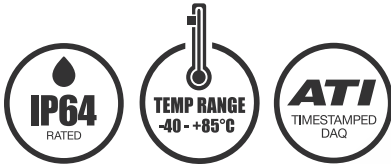


VISION Network Hub

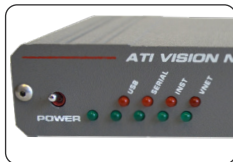
Network Interface



The VISION Network Hub is the main interface used to link VISION to ATI hardware and is designed for rugged automotive test environments. Use the Hub to enable synchronous CAN communication from the ATI VISION system to ATI data acquisition and other vehicle interface products. Options include data logging capabilities and a second CAN channel.

Features

- Main VISION interface enabling synchronous CAN communication
- Optional second CAN Channel
- Optional data logging capability



Designed for rugged automotive test environments, such as extreme weather conditions or dynamometer cells



VISION Network Hub Options

Add a second CAN Channel for ECU or other free running CAN devices with the optional ATI VNI2 CAN Calibration daughter card. The VNI2 plugs inside of the VISION Hub to provide a second CAN channel for ECU calibration, two digital inputs and a voltage output for flash programming.

Use the VISION Hub to Log Data without a computer by choosing the ATI VNI2+ for all the VNI2 features and to add flight recorder capability using the integrated compact flash. Manually enable trigger events and use lights or warning buzzers to aid in your calibration process. The VNI2+ also includes on-board temperature and barometric pressure sensors.

VISION Network Hub Specifications

Configuration	
Application Interface	VISION Calibration and Data Acquisition Software
Indicators	
LEDs	(1) Power status (8) Communication status (4 pairs)
Switches	(2) Bus termination (1) Power
Special Capabilities	
Vehicle Network Aux I/O	15-pin Dsub (provides access to VNI2/VNI2+ I/O)
VNI2+ Card (optional)	CAN channel (ASAM/CCP support) (2) digital inputs (1) voltage output (for flash programming enable on ECU) 1 GB compact flash card (for flight recorder) (2) additional frequency inputs Real-time clock (1) temperature and (1) barometric pressure sensor
Operating Conditions	
Connectors	To PC: (1) USB connection To VISION hardware: (2) LEMO 1B-Series 5-pin
DC Power	LEMO 1B 3-pin
Power Supply	9 to 32 VDC
Power Consumption	4W (with VNI2 Card)
Temperature Range	-40 °C to +85 °C / -40 °F to +185 °F
Warranty	3 years
Mechanical	
Dimensions	135 x 93 x 29 mm / 5.31 x 3.66 x 1.14 in
Weight	369 g / 13.0 oz

VISION Network Hub Order Information

Product	
Part Numbers	Description
153-0001	VISION Network Hub
153-0005	VISION Network Hub with VNI2/1 GB Memory card

VISION Network Hub Order Information

Accessories		
Part Numbers	Description	
Communication		
150-0017 150-0018 150-0019	1.83m/6ft 3.66m/12ft 10.1m/33ft	Cable; EDAQ to EDAQ; LEMO 1B 5-pin plug, 180°/180°
150-0021 150-0022 150-0023	3.66m/12ft 10.1m/33ft 1.83m/6ft	Cable; HUB to EDAQ; LEMO 1B 5-pin plug, 90°/180°
150-0128-15FT 150-0128-12FT 150-0128-6FT 150-0128-12IN 150-0128-6IN	4.57m/15ft 3.66m/12ft 1.83m/6ft 0.30m/1ft 0.15m/6in	Cable; VISION Hub to VID or EMX; LEMO 1B 5-pin plug to LEMO 1F 5-pin plug
USB/Power		
150-0002	10.1m/10ft	Cable; Rugged USB A-B; connectors supports -40 °C to 105 °C
150-0010-6FT 150-0010-12FT 150-0010-33FT	1.83m/6ft 3.66m/12ft 10.1m/33ft	Cable; VISION Hub power cable; LEMO 1B 3-pin plug to banana jacks
150-0024		U-adapter; joins CAN connectors for stacked VISION Hub and VOM; LEMO 1B 5-pin, 90°
150-0025		U-adapter; joins power connectors for stacked VISION Hub and DC booster; LEMO 1B 3-pin, 90°
Hardware		
151-0009		Bracket; side mounting; for stacked VISION Hub and/or auxiliary modules
I/O Cables / Connectors		
150-0027 150-0028 150-0030	3.66m/12ft 10.1m/33ft 1.83m/6ft	ECU cable; VISION Hub to vehicle CAN network DB15 to banana jacks (6, 12, and 33 ft lengths)
150-0046 150-0047 150-0048	1.83m/6ft 3.66m/12ft 10.1m/33ft	ECU cable; VISION Hub K-Line cable; includes 150-0049
150-0049		ECU cable; VISION Hub RS-232 to K-Line cable
150-0174-10FT	3.05m/10ft	Cable; VISION Network Hub; J1962 plug to DB15 plug



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V14 US - VISION Network Hub

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