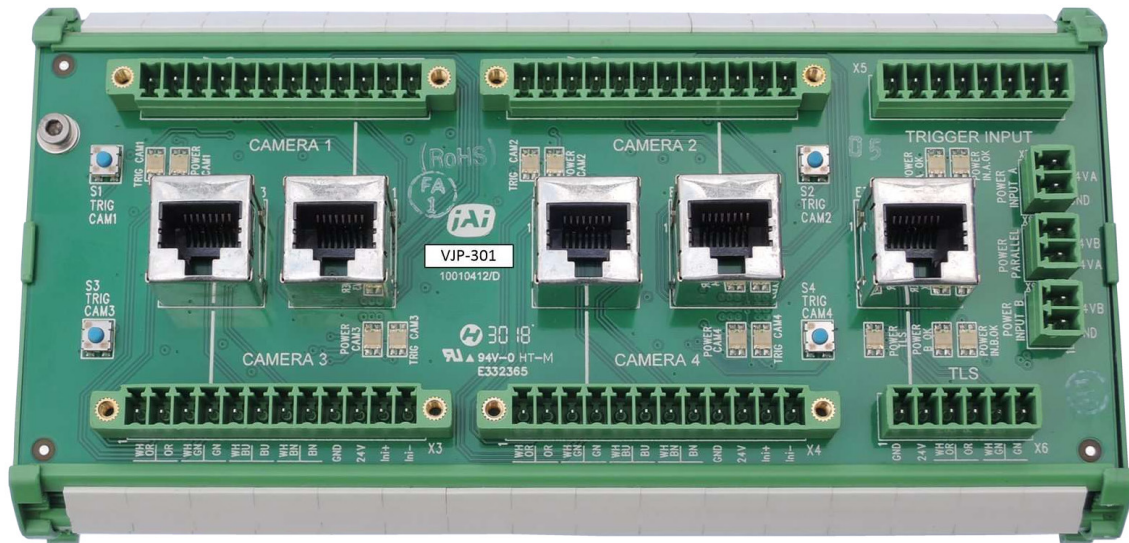


❖ VJP-301

VIS Junction Panel (Vehicle Imaging System)



The Vehicle Imaging System Junction Panel VJP-301 constitutes a simple and easy way to connect the VISCAM System components in the roadside cabinet. The VJP-301 is constructed for DIN rail mounting and has these key features:

- ***Interface to four cameras via mating connectors protected from wrong insertion***
- ***Tool free wire insertion mating connectors***
- ***Trigger inputs from external detectors (loop, laser, and similar)***
- ***Redundant power inputs***
- ***Optional TLS - Traffic Light Sensor interface***
- ***Indicators for power present, camera short circuit, and trigger signal***
- ***Push buttons for trigger signal testing***
- ***Power inputs with reverse polarity protection***

The VJP-301 is an easy way to convert the signals from up to four VISCAM camera system cables into standard Ethernet output via RJ-45 connectors, while also supplying the cameras with power and trigger signals.

VJP-301

Specifications

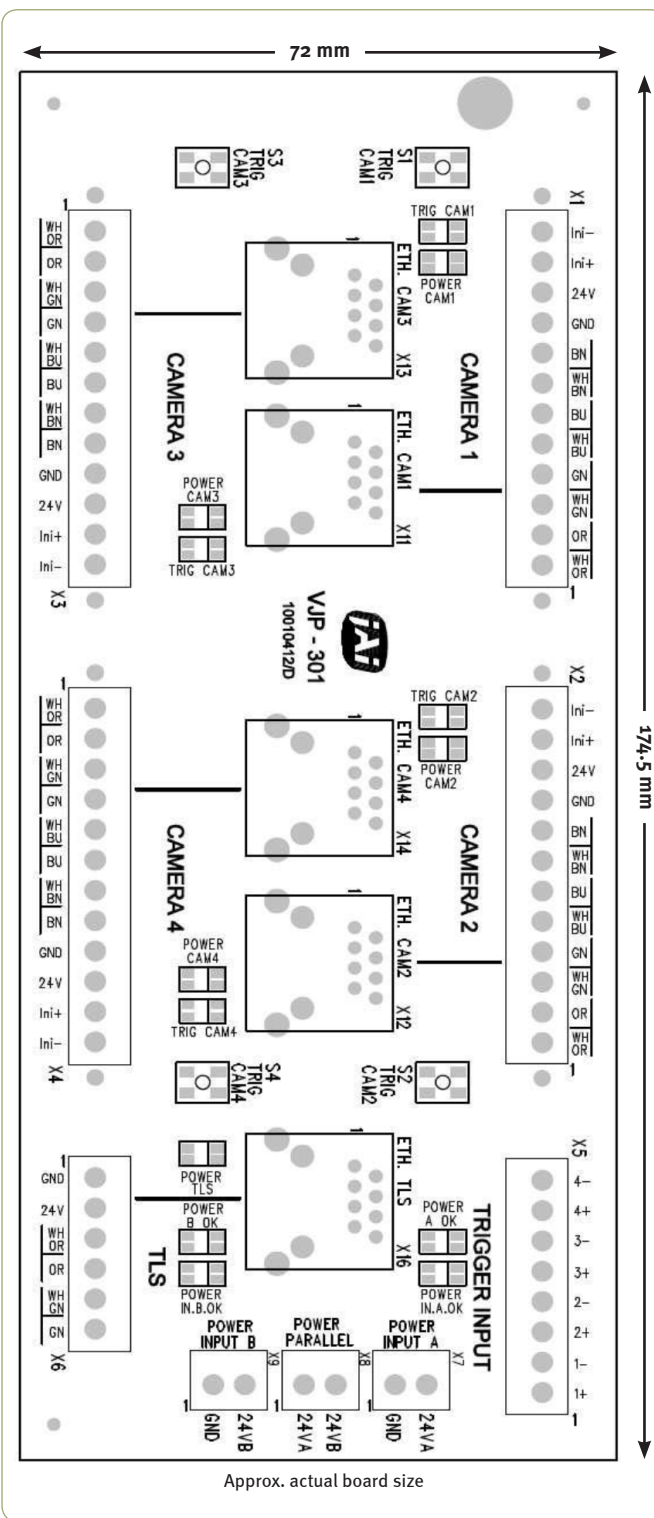
Connector Types	X1: 12 pole male terminal connector with threads X2: 12 pole male terminal connector with threads X3: 12 pole male terminal connector with threads X4: 12 pole male terminal connector with threads X5: 8 pole male terminal connector X6: 6 pole male terminal connector X7: 2 pole male terminal connector X8: 2 pole male terminal connector X9: 2 pole male terminal connector X11: RJ45 connector X12: RJ45 connector X13: RJ45 connector X14: RJ45 connector X16: RJ45 connector
Connector Signals	X1: VISCAM #1 camera interface X2: VISCAM #2 camera interface X3: VISCAM #3 camera interface X4: VISCAM #4 camera interface X5: Trigger input X6: TLS interface X7: Power input A X8: Short for parallel power input A and B X9: Power input B X11: Ethernet signal VISCAM #1 X12: Ethernet signal VISCAM #2 X13: Ethernet signal VISCAM #3 X14: Ethernet signal VISCAM #4 X16: Ethernet signal TLS (Traffic Light Sensor)
Indicators	VISCAM power present (Green in 4 dual color LEDs) VISCAM power shorted (Red in 4 dual color LEDs) VISCAM trigger signal (Green flash in each LED) TLS power present (Green in dual color LED) TLS power shorted (Red in dual color LED) Power input ok at terminal block Power input ok after reverse protection circuit
Push Buttons	Trigger test signal generation for VISCAM
Trigger Signal Input	Polarity: Positive pulse Format: Single ended Coupling: Galvanic isolated Amplitude: 2.5V – 24V
Trigger Output Signal	Format: Balanced Test Signal Pulse Width: 2-5ms
Maximum Cable Length from VJP to VISCAM	Up to 100m using VISCAM System Cable
Mounting	DIN rail
Dimensions (H x W x D)	177 mm x 90 mm x 45 mm including DIN rail mount
Power Input	Voltage: 24V DC ±10% Current: Depends on equipment connected Input is reverse polarity protected Inrush current protected
Operating Temperature	-40°C (-40°F) to +55°C (131°F)
Weight	250 g
MTBF	> 90,000 hours

Ordering Information

VJP-301

VIS Junction Panel (Vehicle Imaging System)

Connection Diagram



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