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)