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# READ BEFORE YOU SHOOT

Read this operation guide carefully and in its entirety before assembling or operating your camera .



Figure: Gold Mount Adapter Plate for VENICE (Left); and V-Mount Adapter Plate for VENICE (Right)

Solid battery adapter made of aluminum. The Power Splitting box is a proven battery solution featuring various industry standard accessory power connectors. The Power Splitting box can be attached to the Battery DC input of VENICE (Square-shaped 5pin connector).

## AUXOUT

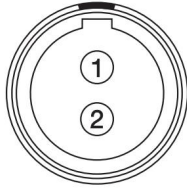


Figure: Front Face of AUX PWR Connector (Looking at the Camera)

The 2-pin 0B LEMO connector (LEMO EEG.0B.302.CLL) supplies unregulated (+) 11.5 to 17.0 VDC battery pass-through power. The maximum sustained current draw is 3.0 A.

PIN	SIGNAL	DESCRIPTION	DIRECTION
1	GROUND	Common ground	N/A
2	+11.5 to +17 VDC	+11.5 to 17 VDC unregulated battery pass-through power	Out

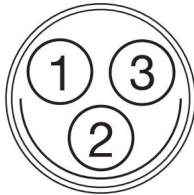


Figure: (+) 11.5 to 17.0 VDC RS Connector (Looking at the Connector)

The two (2) Fischer 3-pin 102 connectors supply unregulated (+) 11.5 to 17.0 VDC battery pass-through power. The maximum sustained current draw is 3.0 A. Each connector also includes a start/stop trigger input.

To operate the GPI contact closure style trigger, short Pin 3 (GPI) to Pin 1 (ground).

WARNING: DO NOT apply voltage to Pin 3 (GPI).

PIN	SIGNAL	DESCRIPTION	DIRECTION
1	GROUND	Common ground	N/A
2	+11.5 to +17 VDC	+11.5 to 17 VDC unregulated battery pass-through power	Out
3	Trigger	Active Low to start/stop record (3.3V pull up)	In

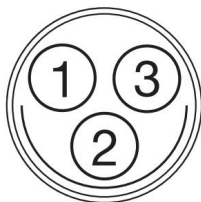


Figure: 24V RS (Looking at the Connector)

The Battery plate Production Module features one 24V RS (run/stop) connector. The Fischer 3-pin 102 connector supplies a combined 24V power out at a maximum sustained current draw of 2.5A. Each connector also includes a start/stop trigger input.

To operate the GPI contact closure style trigger, short Pin 3 (GPI) to Pin 1 (ground).

WARNING: DO NOT apply voltage to Pin 3 (GPI).

PIN	SIGNAL	DESCRIPTION	DIRECTION
1	GROUND	Common ground	N/A
2	+24 V OUT	+24 V out, 2.5A max (shared between the connectors)	Out
3	Trigger	Active Low to start/stop record (3.3V pull up)	In

#### CONTACT CLOSURE STYLE TRIGGER BUTTON CIRCUIT (24V RS)

The diagram below shows the contact closure style trigger button circuit on the 24V RS connector.

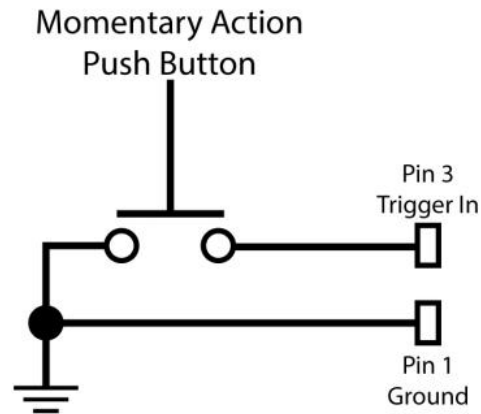


Figure: Contact Closure Style Trigger Button Circuit Diagram (24V RS)

### POWER PORTS

Battery DC Input Square-shaped 5pin connector

DC IN LEMO ECG.2B.306.CLL 6pin (male)

The 6-pin 2B LEMO connector(LEMO ECG.2B.306.CLL) accepts DC input power from (+)11.5 V DC to 17.0 VDC or (+)22 V DC to 32 VDC. A built-in power conditioner protects against reverse-polarity connections, electrostatic discharge (ESD), undervoltage, overvoltage, and overcurrent.



Figure: Front Face of the DC In Power Input Connector (Looking at the Camera)

PIN	SIGNAL	DESCRIPTION	DIRECTION
1	+VBATT Power	input, +12 to +17 V DC/+22 to 32 VDC	In
2	+VBATT Power	input, +12 to +17 V DC/+22 to 32 VDC	In
3	GROUND	Power return (camera ground)	N/A
4	GROUND	Power return (camera ground)	N/A
5	N/A	No connection (NC)	N/A
6	N/A	No connection (NC)	N/A

NOTE: When connecting a cable to a connector, align the key and red marker on the cable connector with the corresponding key and marker on the device connection.

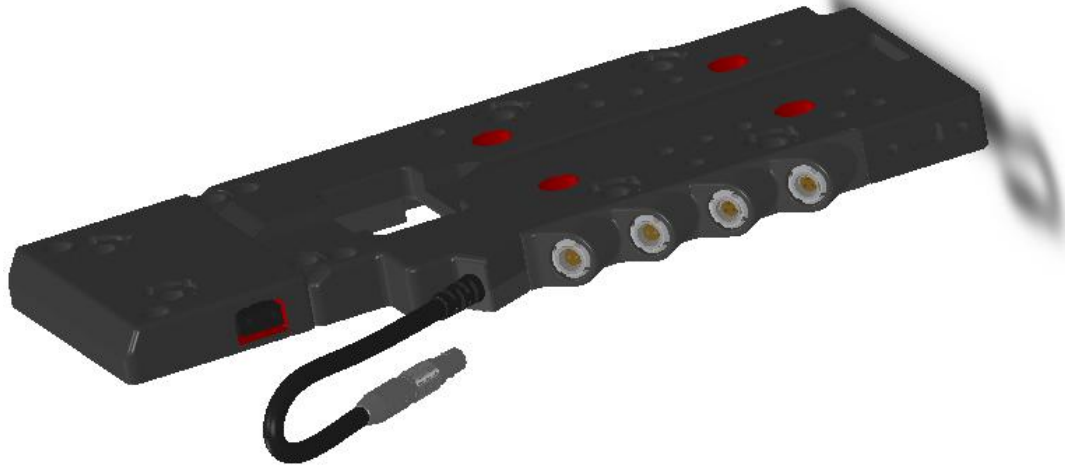


Figure: Tilta Production TACTICAL TOP PLATE

### AUX POWER (P-TAP)

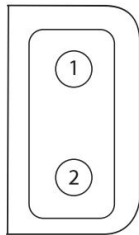


Figure: P-Tap Connector (Looking at Camera)

The AUX power out connector features an industry-standard P-Tap connector and supplies conditioned VBATT at a maximum of 3.0A of power.

PIN	SIGNAL	DESCRIPTION	DIRECTION
1	GROUND	Common ground	N/A
2	+11.5 to +17 VDC	+11.5 to 17 VDC unregulated battery pass-through power	Out

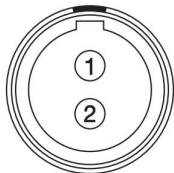


Figure: Front Face of AUX PWR Connector (Looking at the Camera)

The two (2) 2-pin 0B LEMO connectors (LEMO EEG.0B.302.CLL) supply unregulated (+) 11.5 to 17.0 VDC battery pass-through power. The maximum sustained current draw is 3.0A.

PIN	SIGNAL	DESCRIPTION	DIRECTION
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1	GROUND	Common ground	N/A
2	+11.5 to +17 VDC	+11.5 to 17 VDC unregulated battery pass-through power	Out

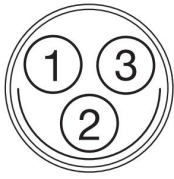


Figure: (+) 11.5 to 17.0 VDC RS Connector (Looking at the Connector)

The two (2) Fischer 3-pin 102 connectors supply unregulated (+) 11.5 to 17.0 VDC battery pass-through power. The maximum sustained current draw is 3.0A. Each connector also includes a start/stop trigger input.

To operate the GPI contact closure style trigger, short Pin 3 (GPI) to Pin 1 (ground).

WARNING: DO NOT apply voltage to Pin 3 (GPI).

PIN	SIGNAL	DESCRIPTION	DIRECTION
1	GROUND	Common ground	N/A
2	+11.5 to +17 VDC	+11.5 to 17 VDC unregulated battery pass-through power	Out
3	Trigger	Active Low to start/stop record	In

#### SERIAL (TTL CONTROL)

The top plate features a SERIAL connector. The 7-pin 0B LEMO SERIAL connector supports TTL RX, TTL TX. The connector also offers auxiliary power out, with a maximum sustained current draw of 5.0A. The connector on the cable communicates with Nucleus-M.

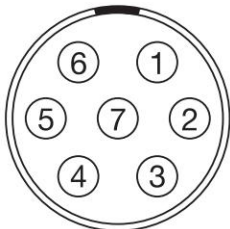


Figure: Front Face of the SERIAL (TTL) Connector (Looking at the Camera) SERIAL CONNECTOR

PIN	SIGNAL	DESCRIPTION	DIRECTION
1	TTL TX	TTL TX	Out
2	GND	Camera ground	N/A
3	N/A	No connection (NC)	N/A
4	TTL RX	TTL RX	In
5	AUX OUT	+11.5 to +17 VDC unregulated battery pass-through power	Out
6	AUX OUT	+11.5 to +17 VDC unregulated battery pass-through power	Out
7	GND	Camera ground	N/A