

MODEL SSI-103VC-2:

DUAL CHANNEL / FOUR OUTPUT STROBE POWER SUPPLY

Electrical Specifications:

| | |
|--|---|
| Output Current: | 8.5 Amps total output per channel |
| Output Voltage: | Adjustable 8-23.5V (each channel) |
| Voltage Control (for intensity adjustment): | Two ranges 0-5V and 0-10V (user selectable) |
| Voltage control input impedance: | 20 kohm |
| Maximum input voltage: | +20V, -10V |
| Voltage control input cutoff frequency: | 7 Hz |
| Pulsewidth: | Adjustable 10-350 usec (shorter or longer pulsewidths available, consult Metaphase for details) |
| Pulsewidth Repetition Rate: | 0-60 Hz (external trigger), channels are independant |
| Internal Test PRF: | 30Hz |
| Input Voltage: | 120/240 VAC +/-10%; 50/60 Hz |
| Power Consumption: | Less than 40 Watts |
| Operating Temp. Range: | 0 to 40 deg. C |
| Storage Temp. Range: | -20 to 85 deg. C |
| External Trigger: | TTL Compatible; Rising or Falling Edge, Open Collector |
| Synchronization Output: | TTL Positive-going; pulsewidth same as optical pulse |
| Output Protection: | Resettable fuse for short across output terminals or from either terminal to ground |

Front Panel:

| | |
|---------------------------------|---|
| Intensity Knob: | Ten-turn potentiometer for intensity adjustment |
| Pulsewidth Knob: | Ten-turn potentiometer for pulsewidth adjustment |
| Rise/Fall Select Switch: | Allows triggering on the rising or falling edge of trigger waveforms, one switch per channel. |
| Run/Test Select Switch: | Selects between a free-running 'TEST' mode (which pulses the output at 30pps) and the 'RUN' mode (where the output pulses via external trigger) |

Rear Panel:

| | |
|--|--|
| Control Voltage Internal/External Switch: | Allows the intensity to be controlled from the front panel knob or from a voltage supplied to the I/O connector on the rear panel. |
| Control Voltage Range Select Switch: | Allows the external control voltage range to be set to 0-5V or 0-10V |



945 East 11th Avenue Tampa, FL 33605

Phone: (813) 984-0125

Contact: Sales@pyramidimaging.com

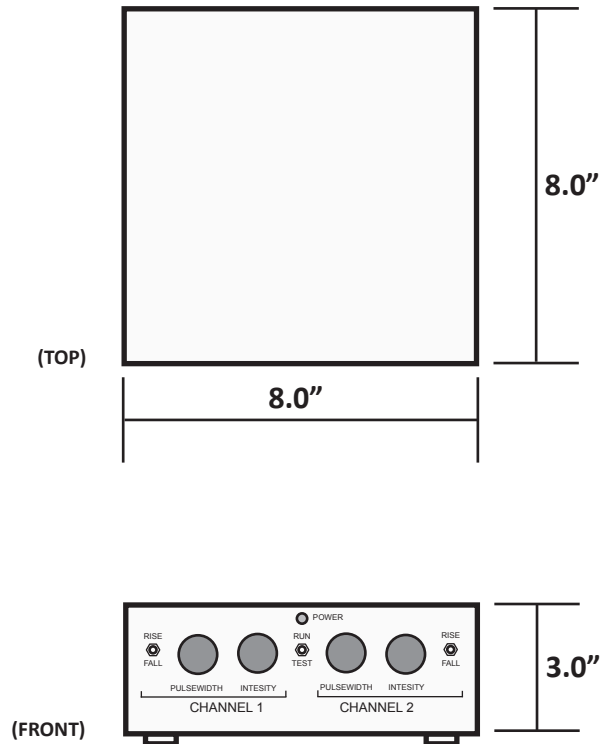
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| | |
|----------------------------|---|
| I/O Connector: | 9 Pin D-subminiature used for trigger input, synchronous output, and control voltage input. |
| Output Connectors: | (4) 15 Pin D-subminiature, (2) Outputs per channel, CHANNEL OUTPUTS ARE SYNCHRONOUS |
| Power Entry Module: | UL/CSA/VDE rated DPST power switch with double 5x20 mm fuse-holder, 0.5A, 250V, SLO-BLO |

Dimensions: L (8.0") x W (8.0") x H (3.0")



Data and specifications are subject to change without notice.

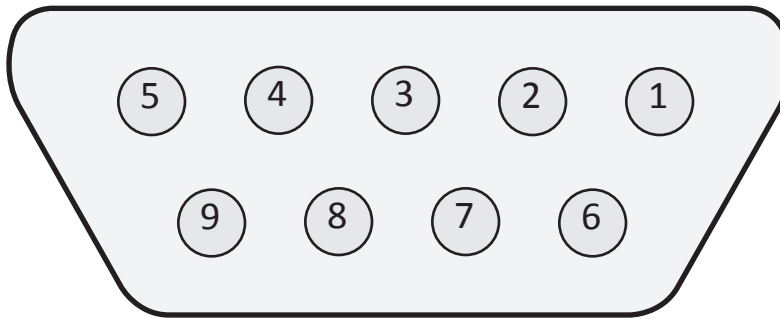
To request additional information, please contact **Metaphase Technologies, Inc.** at **215-639-8699**.

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STANDARD I/O CONNECTION

MALE 9 PIN D-SUBMINIATURE CONTROL CONNECTOR



PIN OUTPUT TABLE:

| PIN # | FUNCTION |
|-------|-------------------|
| 1 | TRIG. 1 IN |
| 2 | TRIG. 2 IN |
| 3 | SYNC 1 OUT |
| 4 | SYNC 2 OUT |
| 5 | CONTROL VOLT 1 IN |
| 6 | GND |
| 7 | GND |
| 8 | GND |
| 9 | CONTROL VOLT 2 IN |



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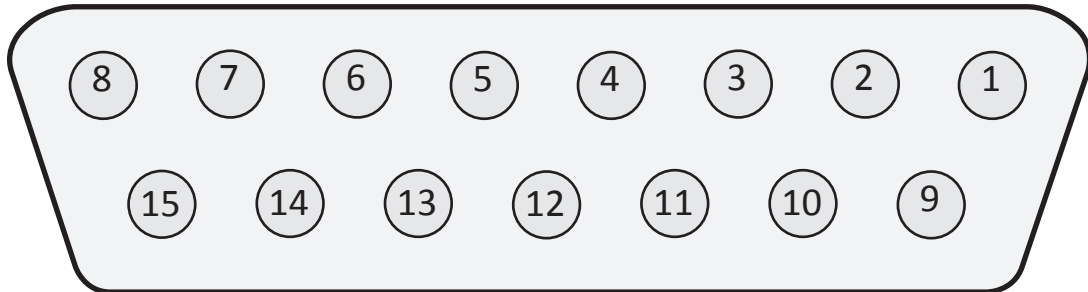
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OUTPUT PINOUT

FRONT VIEW OF FEMALE 15-PIN D-SUN CONNECTOR



PIN OUTPUT TABLE:

| PIN # | FUNCTION |
|-------|---------------|
| 1 | (+) OUTPUT |
| 2 | (+) OUTPUT |
| 3 | (+) OUTPUT |
| 4 | (+) OUTPUT |
| 5 | (+) OUTPUT |
| 6 | |
| 7 | |
| 8 | |
| 9 | (-) OUTPUT |
| 10 | (-) OUTPUT |
| 11 | (-) OUTPUT |
| 12 | (-) OUTPUT |
| 13 | (-) OUTPUT |
| 14 | |
| 15 | SHIELD GROUND |



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