



**NAPCO®**

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# NAPCO ISEE-VBALUN-P1 INSTALLATION INSTRUCTIONS

WI1678 2/08

## Passive Video Balun with 12V DC Camera Power

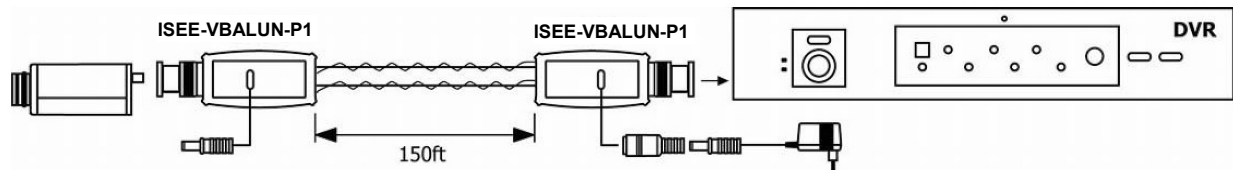
### Features:

- BNC male with 6 push-pin terminal output; male and female 12V DC plug and power lead.
- Video camera power transmission over one standard CAT 5 cable.
- Application for B/W video signal up to 2000ft / 600m, and color video signal up to 1000ft / 300m.

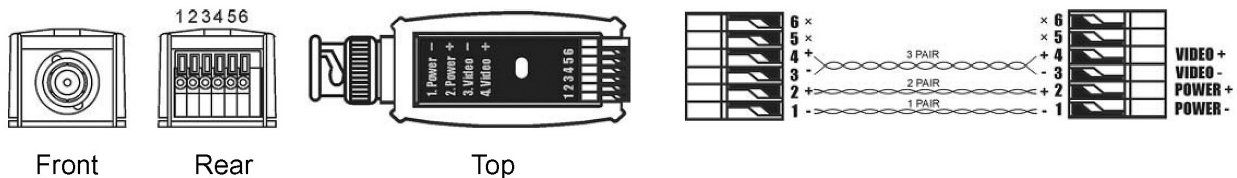


Please refer to the next page for the Voltage Drop List

### Wiring Diagram:



### Panel View:



### Specification:

|                         |  |
|-------------------------|--|
| <b>Model Number</b>     | <b>ISEE-VBALUN-P1 (one pair kit)</b>       |
| Video Input / Output    | Screwless Terminal Block / BNC Male        |
| Video Signal            | 1V p-p, 75 Ohms                            |
| Transmission Distance   | 2000ft / 600m (B/W), 1000ft / 300m (Color) |
| Cable                   | UTP / Twisted Pair CAT5 (AWG24)            |
| Power                   | No Power Required                          |
| Dimensions W X H X D mm | 69 x 25 x 20.5mm with 2" Power Lead        |

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UTP = Unshielded Twisted Pair

### Voltage Drop According to Cable Length (24AWG):

| Voltage Range     | DC15V  |        |        |        |        |        |        |        |        |        |        |        |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                   | 50M    |        |        | 100M   |        |        | 300M   |        |        | 600M   |        |        |
| Power Consumption | 1 PAIR | 2 PAIR | 3 PAIR | 1 PAIR | 2 PAIR | 3 PAIR | 1 PAIR | 2 PAIR | 3 PAIR | 1 PAIR | 2 PAIR | 3 PAIR |
| 50mA              | 14.4   | 14.7   | 14.8   | 13.8   | 14.3   | 14.6   | 11.9   | 13.6   | 14     | X      | 12     | 12.9   |
| 100mA             | 14     | 14.5   | 14.5   | 12.7   | 13.8   | 14.2   | X      | 12.2   | 13.1   | X      | X      | 11.1   |
| 150mA             | 13.5   | 14.2   | 14.3   | 12     | 13.4   | 13.9   | X      | 11.1   | 12.3   | X      | X      | X      |
| 200mA             | 12.6   | 14     | 14.2   | 11.3   | 12.9   | 13.6   | X      | X      | 11.5   | X      | X      | X      |
| 250mA             | 12.1   | 13.7   | 14     | 10.3   | 12.4   | 13.2   | X      | X      | X      | X      | X      | X      |
| 300mA             | 11.8   | 13.5   | 13.8   | X      | 12     | 12.9   | X      | X      | X      | X      | X      | X      |
| 350mA             | 11.3   | 13.3   | 13.7   | X      | 11.7   | 12.7   | X      | X      | X      | X      | X      | X      |
| 400mA             | 10.8   | 13     | 13.5   | X      | 11.2   | 12.4   | X      | X      | X      | X      | X      | X      |
| 450mA             | X      | 12.7   | 13.3   | X      | 10.7   | 12.1   | X      | X      | X      | X      | X      | X      |
| 500mA             | X      | 12.4   | 13.1   | X      | X      | 11.6   | X      | X      | X      | X      | X      | X      |

| Voltage Range     | DC24V  |        |        |        |        |        |        |        |        |        |        |        |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                   | 50M    |        |        | 100M   |        |        | 300M   |        |        | 600M   |        |        |
| Power Consumption | 1 PAIR | 2 PAIR | 3 PAIR | 1 PAIR | 2 PAIR | 3 PAIR | 1 PAIR | 2 PAIR | 3 PAIR | 1 PAIR | 2 PAIR | 3 PAIR |
| 50mA              | 23.8   | 23.8   | 23.8   | 23     | 23.5   | 23.6   | 21     | 22.4   | 23     | 18.1   | 21.2   | 22.1   |
| 100mA             | 23.6   | 23.4   | 23.5   | 22.4   | 23.1   | 23.3   | 18.7   | 21.1   | 22.2   | 12.9   | 18.7   | 20.4   |
| 150mA             | 22.6   | 23.2   | 23.3   | 21.3   | 22.6   | 22.9   | 16.2   | 20     | 21.3   | X      | 16.1   | 18.9   |
| 200mA             | 22.1   | 22.9   | 23.1   | 20.3   | 22     | 22.5   | 13.7   | 18.1   | 20.5   | X      | 13.5   | 17.1   |
| 250mA             | 21.6   | 22.6   | 22.9   | 19.4   | 21.6   | 22.2   | 10.9   | 17.4   | 19.6   | X      | 11.1   | 15.4   |
| 300mA             | 21.1   | 22.4   | 22.7   | 18.4   | 21.2   | 21.9   | X      | 16.1   | 18.8   | X      | X      | 13.8   |
| 350mA             | 20.6   | 22.1   | 22.5   | 17.5   | 20.6   | 21.6   | X      | 15     | 18.1   | X      | X      | 12.2   |
| 400mA             | 20.2   | 21.8   | 22.3   | 16.5   | 20.1   | 21.2   | X      | 13.9   | 17.3   | X      | X      | 10.7   |
| 450mA             | 19.7   | 21.6   | 22.1   | 15.5   | 19.6   | 20.9   | X      | 12.7   | 16.6   | X      | X      | X      |
| 500mA             | 19.1   | 21.3   | 21.9   | 14.5   | 19.1   | 20.5   | X      | 11.3   | 15.4   | X      | X      | X      |