

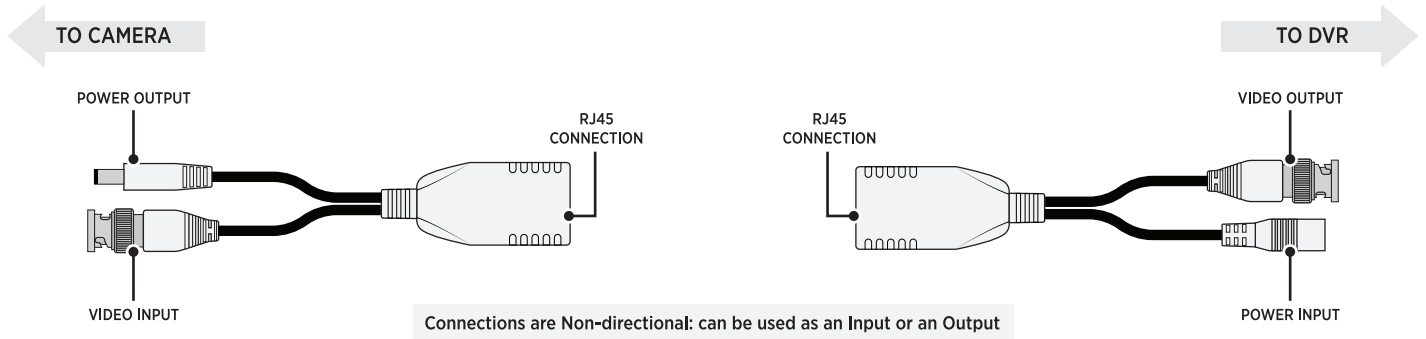
# CE-VB3 User Guide

## Video & Power over CAT5e/CAT6 Baluns

**Included Items:**  
• Pair of Video/Power Baluns

**Optional Items:**  
• Power Pigtail Adapter

**Required Items:**  
• CAT5e or CAT6 cable  
• DC12V or AC24V Power Supply



### INSTALLATION:

1. Connect the output from the camera to the BNC connector **VIDEO INPUT** (above image).
2. Connect the power from the camera to the **POWER OUTPUT** (above image). Depending on the power connector on the camera, a pigtail adapter may be required (not included). Do not cut the end off the balun, this will void the warranty.
3. Connect CAT5e or CAT6 ethernet cable to the **RJ45 CONNECTION**.
4. Connect the **VIDEO OUTPUT** from the balun to the DVR.
5. Connect the camera power supply into the **POWER INPUT** on the balun. Depending on the power connector on the camera, a pigtail adapter may be required (not included). Do not cut the end off the balun, this will void the warranty.



**NOTICE**

**IF IR CAMERA OR CAMERA WITH AUTOFOCUS LENS:**

*It's recommended to use AC24V power when using a camera with IR LEDs or an autofocus lens, (if camera supports AC24V operation). Always check camera power consumption and distance of cable before installation.*

### TROUBLESHOOTING:

**No Video:**

- Check that the device is connected properly.
- Check if the connected DVR or other equipment supports camera video signal type.
- Check the SDI output from the camera, HD-SDI is not supported.
- Check the length of the network cable.
- Check termination of the network cable connection.

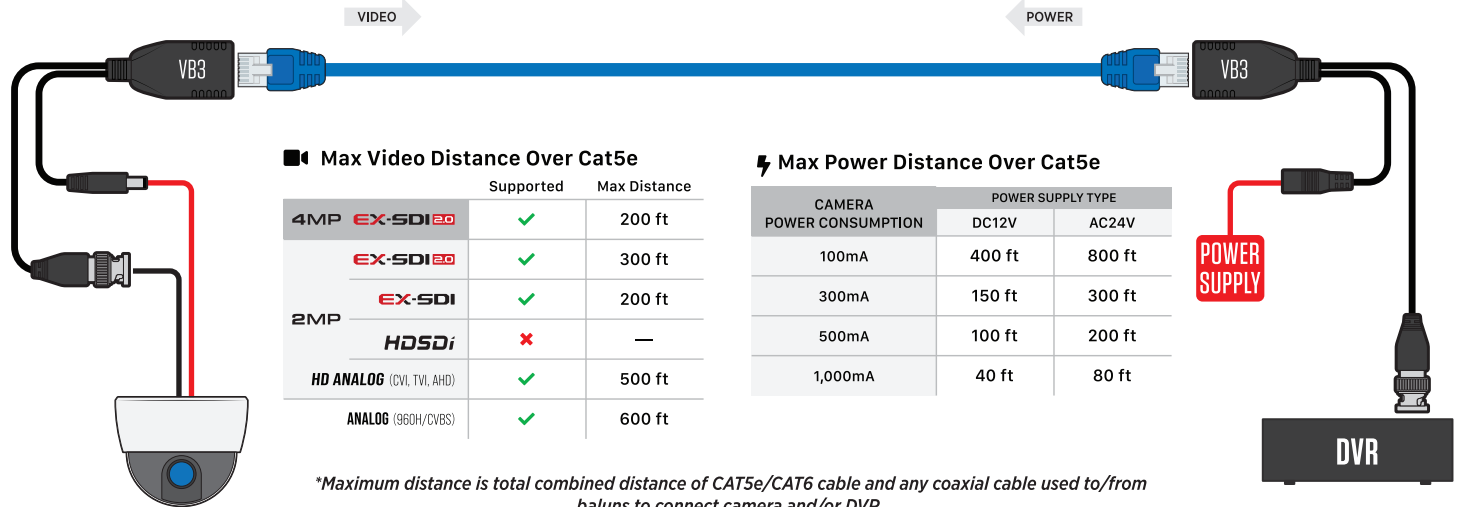
**Video is flickering:**

- Check the length of the network cable connection, decrease distance.
- Do not use with other baluns. Only use same matched pair.

**No power:**

- Check camera power consumption and cable distance.
- Check the power supply.

### CONNECTION DIAGRAM:



*\*Maximum distance is total combined distance of CAT5e/CAT6 cable and any coaxial cable used to/from baluns to connect camera and/or DVR.*

*\*\*Distances shown based on new CAT5e ethernet cable. Distances will vary depending on camera signal type, power consumption, & ethernet cable type/integrity. Splices, couplers and severe kinks will reduce the overall possible distance.*