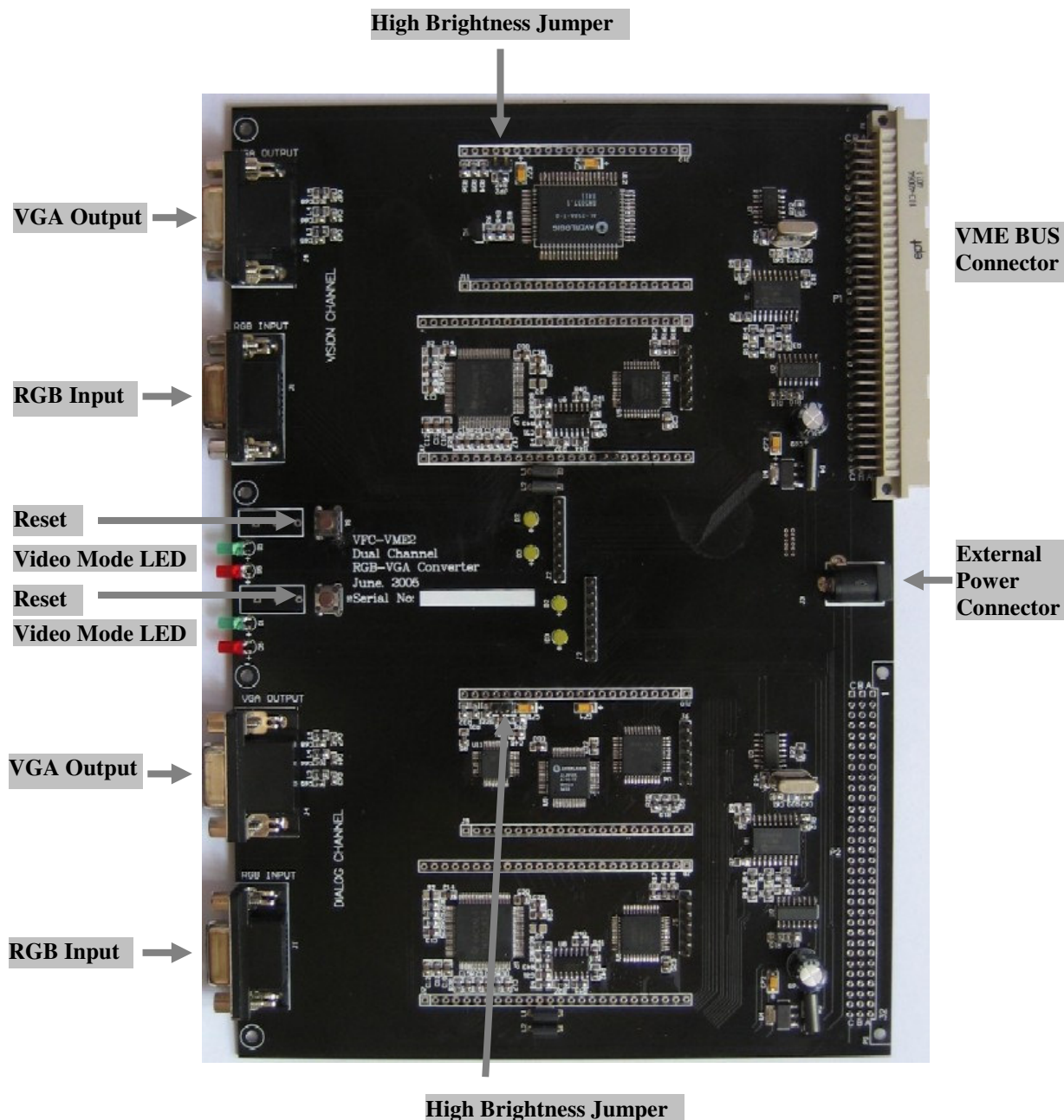


VFC-VME2 Dual Channel RGB-VGA Converter

User Manual and Installation Guide



DESCRIPTION

There are two channels in the VFC-VME2 card, namely the vision channel and the dialog channel. Each channel has one RGB input, one VGA output, one RESET button, VIDEO MODE LED that consists of one GREEN LED and one RED LED. There is an EXTERNAL POWER CONNECTOR socket for tapping power (5V) from other sources.

INSTALLATION

1. Plug the VFC-VME2 card into the VME bus and notice that both RED LEDs of the VIDEO MODE LEDs are ON and both GREEN LEDs of the VIDEO MODE LEDs are OFF.
2. Plug the RGB cable into the RGB INPUT (Camera channel into the vision channel and Dialog Channel into the dialog channel). Notice that the RED LED is OFF, and the GREEN LED blinks twice to indicate that the card successfully recognize the input video.
3. If GREEN LED does not blink, press the respective RESET button to reset and make sure the GREEN LED blinks.
4. Connect the VGA monitor to the VGA output and view the picture.
5. A LCD VGA monitor may be used if the GREEN LED is ON after the initial blinking. The GREEN LED is OFF after the initial blinking to indicate that only CRT VGA Monitor can be used to display.
6. Put the jumper cap over the HIGH BRIGHTNESS JUMPER to double the brightness.

PRECAUTIONS of External Power

1. External Power Cable and Connector are ONLY USED when there is NO available VME slot or the VME slot has NO power.
2. Make sure **5V** is used for external power and the polarity of the power **MUST** be correct.

QUICK TROUBLESHOOTING GUIDE

1. RED LED is still ON when plugging the RGB cable in.
Check the connectivity of the RGB cable used. It maybe due to bad contact of the cable and the connector. Alternatively, the machine is still booting up. So there is no video signal.
 2. RED LED is off but GREEN LED does not blink.
The card fails to recognize the video signal. Press the reset button and hold it for a while and release it and see if the LED blinks.
 3. RED LED is off when plug in the card to VME bus without any video cable connected.
The card has no power. Try to use the external power supply cable to tap power from the machine.
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