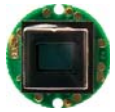
VIDEOLOGY®
IMAGING SOLUTIONS INC.
Original Equipment Manufacturer

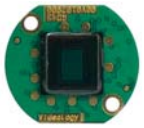
I²C Quick Start Guide
For 60B6-U I²C Kits

I²C Quick Start Guide
FOR MODELS (NTSC/PAL)


20/21B14X


20/21B14XDIG


20/21RD45XS


20/21RD45X

I²C KIT CONTENTS

• I²C to camera cable	60C1045
• USB to I²C cable	60C1062
• USB-I²C board	72V0070
• Software Disc	SFT-13500
• Quick Start Guide	QSG-60B6-U

Camera and power supply sold separately.

If software disc is missing, please download at www.videologyinc.com/download.htm

Prior to Using This Document: Videology reserves the right to modify the information in this document as necessary and without notice. It is the user's responsibility to be certain they possess the most recent version of this document by going to www.videologyinc.com, searching for the model number, and comparing revision letters on the respective document, located in the document's footer.

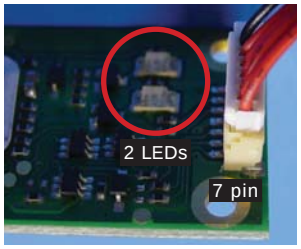
For technical assistance with this product, please contact the supplier from whom the product was purchased.

I²C Board Connections

Using these figures as reference, follow the steps outlined below:

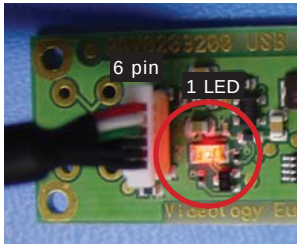
1. Lay out the camera, USB-I²C interface board and two cables at your work area.
2. Connect the 7pin connector on 60C1045 to the USB-I²C interface board (72V0070). The 7pin connector has two LEDs next to it.

CAUTION: ensure you are **not** using the **6pin connector** on **60C1062**! Damage to the camera may occur!



3. Connect the 6pin connector on 60C1062 to the USB-I²C interface board (72V0070).

   DO NOT CONNECT THE USB PORT TO THE PC YET...



4. Connect the 6pin connector on 60C1045 to the camera.
5. Connect the power supply (not included in kit) to 60C1045 to provide power to the camera.
6. To view the camera image, use a monitor by connecting the BNC connector on 60C1045.

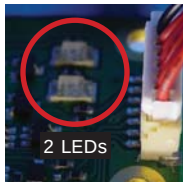
7. Connect the USB port on 60C1062 to the PC.
8. Next, Run the self-extracting executable via the software disc provided within this kit.

   If the software disc is missing, please download SFT-13500 at www.videologyinc.com/download.htm

Using the GUI, the camera settings can be modified and stored.

NOTE: Camera power must be cycled to verify settings have been stored correctly.

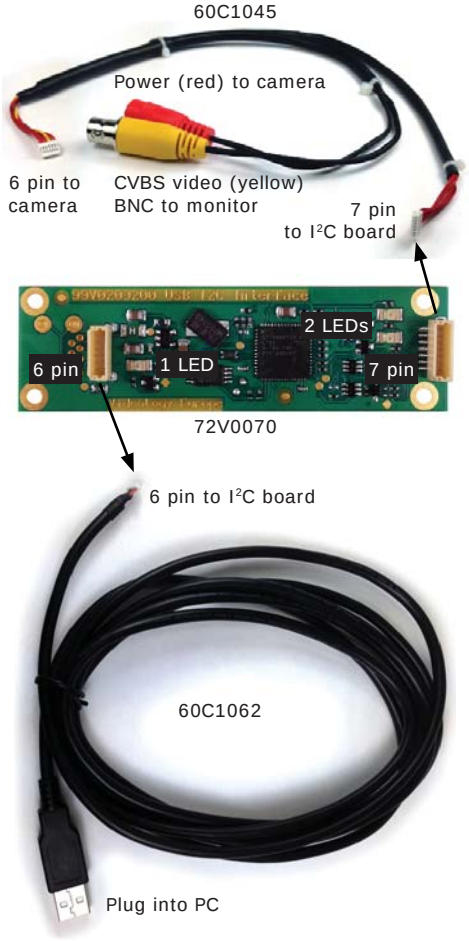
Troubleshooting



The top LED will flicker when choosing commands.

The second LED will stay on when there is an error.

Connection Layout



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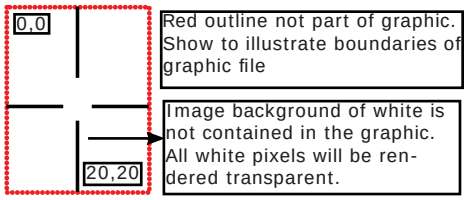
Create Bitmap for crosshair overlay

Overlays can be created with any program that will save in a 24-bit .bmp format. The maximum overlay size is 360 x 480 pixels which will be rendered into 720 x 480 pixel display format. What this means is that the overlay in the x-axis will be stretched (pixels will be doubled). This must be kept in mind when creating the artwork for the overlays.

In order to have the maximum flexibility in positioning the graphical overlay, it should be created at location 0, 0 in the drawing package. Further, the background should be the exact size required to contain the image and no larger.

In order for the overlay's background to be rendered transparent (so the camera image can be seen) select a solid color for the background. This color should be unique and not contained in the desired overlay. For example, for a black cross hair, create it on a white background. We then can make all the white pixels in the graphic transparent. For a white crosshair create it on a black background. We then can make all the white pixels in the graphic transparent.

Note that the camera defines the upper left corner of the overlay as (0, 0).



I²C Board Connections

Using these figures as reference, follow the steps outlined below:

1. Lay out the camera, USB-I²C interface board and two cables at your work area.
2. Connect the 7pin connector on 60C1045 to the USB-I²C interface board (72V0070). The 7pin connector has two LEDs next to it.

   CAUTION: ensure you are **not** using the **6pin connector** on **60C1062**! Damage to the camera may occur!

   Use the 7pin connector of 60C1045 to the I²C board.
3. Connect the 6pin connector on 60C1062 to the USB-I²C interface board (72V0070).

   DO NOT CONNECT THE USB PORT TO THE PC YET...

   Use the 6pin connector of 60C1062 to the I²C board.
4. Connect the 6pin connector on 60C1045 to the camera.
5. Connect the power supply (not included in kit) to 60C1045 to provide power to the camera.
6. To view the camera image, use a monitor by connecting the BNC connector on 60C1045.
7. Connect the USB port on 60C1062 to the PC.
8. Next, Run the self-extracting executable via the software disc provided within this kit.

   If the software disc is missing, please download SFT-11004 at www.videologyinc.com/download.htm

Using the GUI, the camera settings can be modified and stored.

NOTE: Camera power must be cycled to verify settings have been stored correctly.

Troubleshooting

The top LED will flicker when choosing commands.

The second LED will stay on when there is an error.

Please refer to the instruction manual INS-13005 within the software disc on how to operate the software commands.

If you did not receive the instruction manual with the Kit, you can download it at: http://www.videologyinc.com/media/products/instruction manuals/INS-13005.pdf

Connection Layout

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