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Find the *National Instruments IMAQ A2514-1* at our website: *Click HERE*

IMAQ A2514 CABLE

This guide describes how to attach the IMAQ A2514 cable to your image acquisition (IMAQ) device.

Introduction

You can use the IMAQ A2514 cable to connect your IMAQ device to the following signals on your camera or other video or trigger signal source:

- Four video channels, VIDEO<0..3>
- Composite synchronization input, CSYNCIN
- Composite synchronization output, CSYNCOUT
- Four trigger channels, TRIG<0..3>
- Horizontal synchronization input, HSYNCIN
- Vertical synchronization input, VSYNCIN
- Pixel clock input, PCLK
- Chassis ground, CHASSIS
- Digital ground, DGND

Refer to your IMAQ device documentation for more detailed information on these signals.

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What You Need to Get Started

To install your IMAQ A2514 cable, you will need the following:

- ❑ IMAQ A2514 cable
- ❑ *IMAQ A2514 Cable Installation Guide*
- ❑ Your IMAQ device and documentation
- ❑ BNC cables
- ❑ Your computer
- ❑ Your camera or other video or trigger signal source

Installation

Insert the DSUB connector end of the IMAQ A2514 cable, shown in Figure 1a, into the external 25-pin DSUB receptacle of your IMAQ device, ensuring correct polarity. Tighten the thumbscrews as necessary.

You can now connect up to 13 BNC cables to the other end of the IMAQ A2514 cable, as shown in Figure 1b, for access to four video channels, four trigger channels, composite synchronization input and output, horizontal synchronization input, vertical synchronization input, pixel clock input, and chassis and digital ground.

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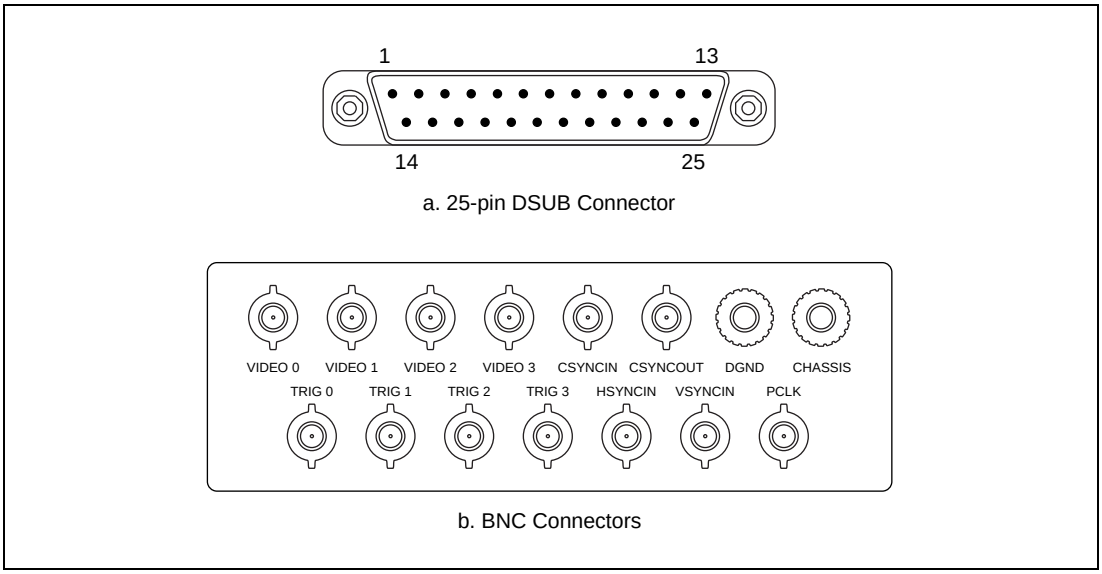


Figure 1. IMAQ A2514 Connectors

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