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Find the *National Instruments IMAQ-A2504-1* at our website: ***Click HERE***

IMAQ 2504 CABLE

This guide describes how to attach the IMAQ 2504 cable to your image acquisition (IMAQ) device. The IMAQ 2504 family of cables includes the A2504 and D2504 cables. You can use the IMAQ A2504 cable with IMAQ analog devices and the IMAQ D2504 with IMAQ digital devices.

Use the IMAQ A2504 cable to connect three additional video channels and one trigger channel to your IMAQ device using the IMAQ analog device's external 25-pin DSUB I/O receptacle.

Use the IMAQ D2504 cable to connect four external trigger sources to your IMAQ digital device via the IMAQ D100 camera cable.

What You Need to Get Started

To install your IMAQ 2504 cable, you will need the following:

- ❑ One of the following IMAQ 2504 cables:
  - IMAQ A2504 cable for analog IMAQ devices
  - IMAQ D2504 cable for digital IMAQ devices
- ❑ *IMAQ 2504 Cable Installation Guide*
- ❑ Your IMAQ device
- ❑ BNC cables
- ❑ Your computer
- ❑ Your camera or other video or trigger signal source

♦ IMAQ D2504 only

- ❑ IMAQ D100 camera cable and documentation

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- IMAQ A2504 cable

  Insert the DSUB connector end of the IMAQ A2504 cable, shown in Figure 1, into the IMAQ device's external 25-pin DSUB receptacle, ensuring correct polarity. Tighten the thumbscrews as necessary.

  You can now connect up to four BNC cables to the other end of the IMAQ A2504 cable for access to three additional video channels, V1, V2, V3, and one trigger channel, T0, as shown in Figure 2.

- IMAQ D2504 cable

  Insert the DSUB connector end of the IMAQ D2504 cable, shown in Figure 1, into the 25-pin DSUB receptacle on the IMAQ D100 camera cable.

  You can now connect up to four BNC cables to the other end of the IMAQ D2504 cable for access to four external trigger sources, T0, T1, T2, and T3, as shown in Figure 3.

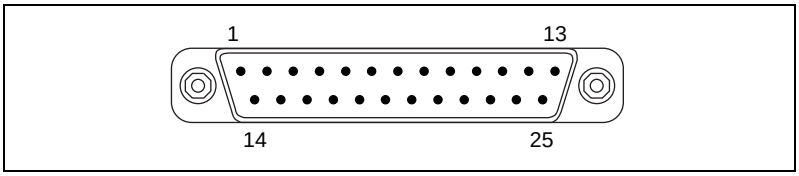


Figure 1. IMAQ 2504 25-Pin Connector

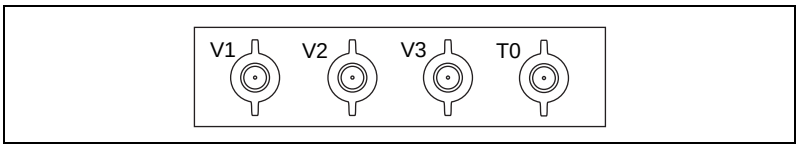


Figure 2. IMAQ A2504 BNC Connectors

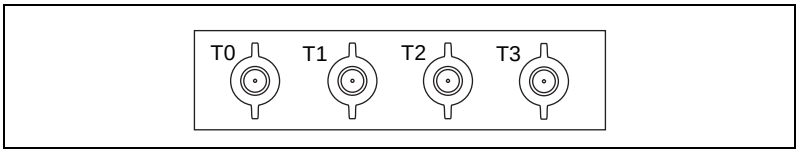


Figure 3. IMAQ D2504 BNC Connectors

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