

Digital IMAQ Accessories Digital Camera Cable Selection

Visit the Camera Advisor at ni.com/camera, for the latest information on cable selection for the NI 1424 and NI 1422 image acquisition devices.

IMAQ SCB-100

The IMAQ SCB-100 is a cable and terminal block for interfacing digital cameras to the NI 1424 or 1422 devices in cases where a dedicated cable is not available. All control and data lines are available at the screw terminal block for easy connectivity.

IMAQ D2504

The IMAQ D2504 has four BNC connectors for digital triggers. Connect this cable to digital camera cables.

Digital Camera Extension Cables

Extend the length of your 100 pin SCSI digital camera cable by selecting cable extension lengths of 2 meters and 4 meters.

Camera Link Accessories

Camera Link Cable

The PCI-1428 features a small 26-pin connector compatible with all Camera Link video inputs, camera control outputs, and the serial interface. The 68-pin connector on the PCI-1428 connects to the external trigger signals using the D6804 cable.

IMAQ D6804

Using the IMAQ D6804, you can connect up to four triggers to your NI 1428 Camera Link device.



Figure 1. IMAQ SCB-100



Figure 2. Digital Camera Extension Cable

Cables

Analog Accessories

IMAQ-A6804

The IMAQ-A6804 provides four BNC connectors, allowing three video signals and one trigger input. Use with the NI 1409 devices.

IMAQ-A6822

The IMAQ-A6822 provides 22 BNC connectors to all video signals (VIDEO0, VIDEO1, VIDEO2, and VIDEO3), the external digital I/O lines and triggers, and external synchronization signals. The IMAQ-A6822 includes a 1 m cable for connecting to an IMAQ 1409 device.

IMAQ SCB-68 Camera Connector Block

Access all of the signals on the NI 1409 68-pin connector through this terminal block.

Digital Camera Cables

For information on cable selection for PCI-1424 and NI 1422 devices, please see Camera Advisor at ni.com/camera

Tech Tip

Camera Advisor

National Instruments Camera Advisor, ni.com/camera, is a one-stop Web resource for you to select an imaging camera. Use Camera Advisor to locate the right camera for your application. Compare and contrast camera features for more than one hundred cameras.

Ordering Information

Digital IMAQ Cables

IMAQ SCB-100777915-01

Digital Camera Extension Cables

100-pin to 100-pin extension cable

2 m184743-02

4 m184743-04

Digital Trigger Accessory

IMAQ D2504-1 (1m)185298-01

Camera Link

Camera Link cable (2 m)187676-02

IMAQ D 6804187804-01

Analog IMAQ Cables

IMAQ-A6822 (1 m)778135-01

IMAQ A6804 (1 m)187805-01

IMAQ-SCB 68778410-01

RTSI Bus Cables

2 boards776249-02

3 boards776249-03

4 boards776249-04

5 boards776249-05