Introduction
This document describes the general procedure for assembling a Vic-2D system from its shipping state.

Assembling the PC
Unpack the following items:

- CPU unit
- PC power cord
- Keyboard
- Mouse
- Monitor
- Monitor power cord
- VGA cable

Set the CPU and monitor on a flat work surface.

Connect the power cords to the CPU and monitor and plug them in. Use the VGA cable to connect the VGA output on the video card (rear of PC) to the VGA input on the monitor (underside of monitor). Connect the mouse and keyboard to the corresponding round 6-pin mouse/keyboard connectors on the rear of the PC, or the USB inputs on the rear of the PC, as applicable.

Power up the PC and monitor and confirm that Windows appears as normal.
Assembling the cameras and mount

Unpack the following:

- Camera
- Tripod head
- Tripod

Attach the camera to the tripod and head:

1. Open the tripod and set on a stable surface.
2. Screw the tripod head to the tripod using the 3/16” stud on the tripod.
3. Remove the quick-release plate from the tripod head, using the button/lever.
4. Screw the ¼”-20 camera mounting stud into the bottom of the camera until snug.
5. Replace the quick-release plate on the tripod head.

Attach the camera to the PC:

1. Connect the locking end of the Firewire cable to the camera.
2. Connect the other end of the Firewire cable to the PC.
Attach the lens to the camera:

1. If using an F-mount lens, attach the lens to the C- to F-mount adapter by aligning the white marker dots, pushing together, and rotating.

2. Remove the lens cap from the camera and the front and back caps from the lens.

3. Screw the lens or C-mount adapter into the camera carefully. Please note that the aluminum camera threads are susceptible to galling and cross-threading.

Assembling the data acquisition system

If supplied, connect the BNC-2110 breakout box to the 68-pin D/A connector on the rear of the PC, using the 68-pin National Instruments cable. Use the thumbscrews to connect the cable to the PC, taking care not to unseat the board – allow the thumbscrews to tighten the connection rather than using pressure on the cable.

Startup and testing

On the PC’s desktop, double-click on the Vic-Snap icon. Confirm that the attached camera’s image appears live.