



# TopoMouse

## Digital Photogrammetry In Your Hands



TopoMouse

TopoMouse is an advanced, ergonomic free-hand device for moving the cursor in the XYZ directions on digital photogrammetric workstations, and for carrying out frequent photogrammetric operations rapidly and efficiently. TopoMouse is the tool for maximum productivity in time-consuming, routine tasks such as feature collection and DTM editing.

### Expert Design

Developed by the same teams of mechanical, electronic and industrial designers as the DSW Digital Scanning Workstations, the new device also draws on ergonomic design principles and input from focus groups used to assess products in diverse fields. The eight buttons and four rocker switches allow 16 operations to be performed from the device. If one button is used as a shift key, the number of operations can be increased to 30. The large Z-wheel is accessible by either thumb or forefinger.



# Earth to Business starts here.



## TopoMouse

### Benefits

- High productivity
- Low cost
- Ergonomic design
- Convenient for commonly executed photogrammetry functions
- Fewer mistakes on routine tasks
- Controls up to 30 operations
- Customizable button assignment for particular users, software or projects

### Ergonomic, Robust, Customizable, and Smooth Ergonomic Shape

TopoMouse is compact, for convenient use by many types of operators. For greater comfort, it is also shaped with the “V” inverted from the position used in traditional photogrammetry. The metal Z-wheel has grip ridges and protrudes for easy thumb or forefinger contact. The subtle dark color of the device minimizes eye distraction when tired, and the feel of the TopoMouse was designed for comfort under prolonged use.

### Robust System

The TopoMouse button and switch design is built to sustain millions of presses. To minimize dirt pick-up and simplify cleaning, the device moves on specially designed plastic pads (instead of felt). TopoMouse receives power and transmits data through a convenient single cable and has a USB connection to the workstation.

### Customized Design

All buttons and switches are software programmable and can be allocated to operations according to user preference. They can also be assigned to control clutching, shifting, sensitivity, and automatic slewing. Multiple sets of button and switch configurations can be stored to suit different operators, projects or software applications. Software products from ERDAS such as LPS, ORIMA, PRO600 and Stereo Analyst® for ArcGIS® include functionality to use the TopoMouse flexibly; successful operation with third party software products is straightforward as well.

### Smooth Operation

TopoMouse employs a highly precise optical mechanism with far more counts, and, therefore, more precise response, than most computer mice. The plastic pads underneath offer a smooth, controllable ride across the table or mousepad.

### High Functionality at a Modest Price

TopoMouse is the key to higher output from traditional photogrammetric processes performed by skilled system users. Using TopoMouse to perform routine tasks simplifies complex operations, lessens user fatigue and increases productivity.

- Eliminate irritating stoppages for cleaning or swapping devices
- No digitizing tablet required in workstation table
- Adaptable to different users and software packages

### Specifications

#### Physical Attributes

- length - 5" (127 mm)
- width - 11" (279 mm)
- height - 2.5" (64 mm)
- weight - 0.45 kg

#### Buttons

- **Button Allocation** - Completely flexible through software
- **Power** - Dual voltage power supply supplied: 90-264V, 50-60 Hz, with cable
- **Connection** - USB
- **Electronics** - optical mouse
- **Z control** - Large wheel, accessible front and back of mouse; high precision encoder
- **XY motion** - High-precision encoders standard; 4 rocker switches, each with two positions; buttons distributed equally to each hand



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