

Surface-Lit DrawingBoard

LARGE-FORMAT DIGITIZERS

Enhance the quality and accuracy of designs through illumination with Surface-Lit DrawingBoard. The innovative large-format digitizer features a thin panel of LED backlighting engineered for superior clarity and guarantees the highest level of data integrity available today.

Surface-Lit DrawingBoard utilize the same Advanced Function Technology that has set the world standard for performance. Internally, these high performance tools are engineered with a state-of-the-art positioning grid to ensure reliability, precision and value. An integrated mounting channel allows accessories such as a pen tray to be easily and quickly mounted.

Create effective designs while being efficient on energy costs. Surface-Lit DrawingBoard encompasses a cool working surface that uses less than half the energy of conventional back-lit tablets.



FEATURES

Industry's Highest Resolution and Accuracy

- Resolution up to 12,700 lines per inch
- Accuracy level offered: $\pm 0.010''$

Choice of transducers

- Corded stylus pen
- Corded 4-button cursor
- Corded 16-button cursor

Convenience Features

- Lightweight and thin profile design
- Easily attaches to digitizer using mounting arms
- Integrated USB and RS-232 Serial connections (RS-232 Serial requires optional power supply)

Compatibility

- All leading Mapping and Computer-Aided Design (CAD) hardware and software applications, including Intergraph® and MicroStation®.

Technical Specifications

Platform Support	PC
Software Drivers	Microsoft Windows® 95, 98, ME, NT, 2000, XP, Vista, 7 and 8
Hardware Interface	USB, RS-232 Serial (Requires optional Power Supply)
Absolute Accuracy	±0.010 in / ±0.254 mm with standard accuracy corded DB6 cursor ±0.025 in / ±0.635 mm with corded DB6 pen
Resolution	Up to 12,700 lines/inch (500 lines/mm) real resolution
Repeatability	1 LSB (least significant bit)
Proximity	Up to 0.4 in (10.2 mm) above the light panel with corded pointing device
Self-Diagnostics	Automatic testing RAM, ROM and microprocessor
Baud Rate	Up to 38,400
Data Rate	Up to 200 coordinate pairs/second
Technology	Electromagnetic
Output Formats	32 industry-standard formats
Cursor Switches	Elastomeric keypad, rated life over 1 million actuations
Emulations	CalComp 3400, GTCO T5A, Summagraphics Microgrid
Operating Modes	Point, line, run, track, incremental, prompt
Power Supply	Universal power supply 120V-240V No power supply required for USB connection
Power Requirements	5 Volts, DC, 100 mA current draw (USB) 9 Volts, DC, 200 mA current draw (with Power Supply)
Certification	UL 1950, EN60950, FCC, VCCI, CE, EN55024, EN55022, Industry Canada
Operating Temperature	41 to 115°F/5 to 46°C
Storage Temperature	0 to +150°F/-18 to +68°C
Humidity Range	10 to 95%, noncondensing
Altitude Range	0 to 10,000 ft./0 to 3,077 m
Warranty	One-year limited warranty; extended warranty available – U.S. only

Physical Dimensions

Model	Active Area	Footprint	Weight	Average Shipping Weight
DB6-2024	20 x 24 in/508 x 609.6 mm	29 x 34 in/737 x 864 mm	13 lbs./5.9 kg	31 lbs./17.7 kg

Purchase Includes:

- DrawingBoard VI digitizer
- Surface-Lit panel
- Surface-Lit panel power supply
- 6 thumb screws
- 4 short mounting arms
- 2 long mounting arms
- CD ROM with Windows Drivers and user's manual
- Pointing device
- 2 tabletop feet
- USB cable

Transducer Options:

- Corded stylus pen
- 4-button cursor, corded
- 16-button cursor, corded

Optional Equipment:

- RS-232 Serial kit (Power supply and cable)