SuperBox II

Visual
Database
Systems

The Interactive Video Solution

Public Information Kiosks	**Amusement / Theme Parks**
Cable TV Controllers	**Point of Purchase Kiosks**
Theater Controllers	**Department Stores**
Museum Exhibits	**Hotel Lobbies**
Trade Shows	**Restaurants**

SuperBox II *Videodisc Player and Exhibit/Kiosk Controller*

A cost effective and practical solution to your interactive video control requirements. SuperBox II provides a powerful microprocessor based stand-alone controller that interfaces real-world inputs and outputs with Pioneer videodisc players, providing designers with the best possible choice in exhibit control.

Visual Database Systems understands the need for interfacing real-world inputs, getting viewer feedback and also triggering external devices with total program control. Even sophisticated exhibit and kiosk applications don't always require a full computer system. The SuperBox II is engineered to fit your real-world applications.

Features

The SuperBox II is designed to work with the Pioneer LD-V4200 command set players - LD-V2200 / 4200 / 8000 or the LD-V2000 depending on the firmware installed.

- Accepts 32 input lines that are simple momentary contact type closures such as switches, a pressure pad or burglar alarm type motion detector.
- 16 output lines provide TTL level signals to external devices like relays, automatic doors and light dimmers.
- An IBM parallel printer interface is provided to control a coupon printer.
- Control of two videodisc players is standard.
- Touchscreen firmware available.

SuperBox II

Videodisc Player and Kiosk Controller

Programming

SuperBox II programs are written to an on-board EEPROM from a personal computer via the RS-232 serial port.

- **SBCOMM**   Visual Database Systems provides an optional program for IBM PC & compatibles SBCOMM - that assists in SuperBox II programming.

- **EPROM**   SuperBox II programs can be saved in Intel hex format and used to program EPROMs for volume applications.

- **COMMANDS**   Based on the Pioneer videodisc command set, the SuperBox II programming language includes Visual Database Systems' added commands for branching, variables and other logic control.

Feature Options
- Video Switch
- Clock-Calendar/Usage Log
- Touchscreen Firmware
- 2nd Player Cable
- SBCOMM - Programming Kit

Memory Options
- 8k to 16k bytes EEPROM available
- Internal chips or external credit card style program cards
- EPROM to 56k bytes for volume applications

Rear view with Video Switch option installed

Feature Specifications
- **Videodisc Player Compatibility**
  Pioneer LD-V2000, LD-V2200, LD-V4200, LD-V8000 and similar players
- **Controller**
  8031 microprocessor
  16k bytes EPROM controller firmware
  2k SRAM (8K battery backed with clock option)
- **External Interfaces**
  32 user inputs, TTL level requires momentary contact switch or keypad closure to ground, debounced by firmware
  16 outputs, TTL level
  I/O uses AMP MODU-34 connectors
  1 IBM compatible parallel printer port
  2 ports for videodisc players
  1 RS-232 port for touchscreen input and programming

Physical Specifications
- **Controller**
  Size - 9.75 W x 6.75 D x 1.8 H inches
  Weight - 16 oz (0.35 kg)
  Supplied Cable - SuperBox II to player, 30 inches long (75 cm)
  Housing - Black anodized aluminum
- **Program Card**
  Size - 2.13 x 3.38 x 0.08 inches (5.4 x 8.6 x 0.2 cm)
- **Power Supply - Physical**
  Size - 2.3 inch cube (5.9 cm), external wall mount type
  Weight - 30 oz (0.85 kg)
  Cable - 6 feet (180 cm) from wall mount to SuperBox II
- **Power Supply - Electrical**
  AC input - 120 VAC 47-63 Hz 22 watts maximum
  fusing - internal, non-replaceable
  overload / short circuit protection - thermal current limit

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