VSI-Pro Max

The VSI-Pro Max is the latest in the evolution of the popular VSI line of POS / Cash Register Interfaces from AVE. The VSI-Pro Max, now with larger memory space can hold ALL the AVE Interfaces in one unit with full remote PC or DVR programming for selection and setups and onsite firmware updating. New video processing circuitry allows use with new WDR cameras and low video of commonly used UTP adapters. Built in RS-232, RS-485, Passive and the new Opto-Isolated selection, gives complete isolation from the POS/Cash Register from the video system. Internal 40 Mhz operation allows for combining the Networking functions of the Hydra, Regcom, Networker or Vnetworker within one convenient unit with looping RJ45s for a seemless solution for multiple till configuration.

Features

All AVE POS / Cash Register Interfaces
Supports Full Emulate Modes of printers,
     poll displays or customer displays
Hydra, Regcom, Networker, Vnetworker
     Protocols Built in with Dual RJ45s
LEDs - Power, POS/Cash Register Communication,
     Network Communication & Low Video Loss
Video Input AGC (Automatic Gain Control)
Video Output BNC can drive two 75 ohm loads
Video Surge Suppression
Video Lightning Suppression with external earth ground
Serial Input Port Selection
     RS-232 Bi-Directional, RS-485 Bi-Directional,
     RS-422, Passive (HiZ) or Optically Isolated
RS-232 or RS-485 Output for Direct DVR Connection
128K Program Memory
128K SRAM Memory
40 Mhz Internal Processing
PC Programming and Configuration
Firmware Upgradable On Site
Full Programming and Configuration
     locally or remotely by AVE
     DVRs Vnetworker Protocol
12 VDC Operation
CE / FCC & RoHS Compliant

**Front Panel OSD Programming
PC or DVR Programming
LED Status
Dual RJ45 Networking**

Video Surge & Lightning Suppression

POS / Cash Register Interfacing

An additional Serial Port has been added to allow the VSI-Pro Max to have bi-directional communication with any till emulating common printers, pole displays or customer displays. This additional port can then send the data to the Hydra/Regcom Network or send RS-232 or RS-485 directly to a serial port on the DVR.

Optically Isolated RS-232 input selectable has been added to break the ground loop between the POS / Cash Register and the video system. This completely separates the POS / Cash Register system from the video system eliminating till or communication problems or video noise.

Networking

With the built in Hydra, Regcom, Networker or Vnetworker functions, the VSI-Pro Max can be a complete POS / Cash Register interface plus be configured as a Master (Hydra) or Slave (Regcom) device for up to 16 tills. Therefore eliminating the use of the stand alone Hydra, Regcom, Networker or Vnetworker units. Just loop the RS-485 network from one VSI-Pro Max to the next. All VSI-Pro Max will then be configured as Regcom and the last in the loop will be configured as a Hydra and connect to the DVR. Diagnostic LEDs indicate the network active and data from the till is being received to confirm installion wiring.

The VSI-Pro Max is programmable for many 3rd party DVR protocol for receiving data from POS / Cash Registers with all the current supported Hydra drivers. Programmability for backward compatibility for all AVE network configurations for Hydra/Regcom, Networker and Vnetworker.

Video

Video AGC circuitry has been added to compensate for the new low light WDR cameras and UTP twisted pair adapters that reduce the video level below the standard 1V P-P. Therefore the VSI-Pro Max will deliver a constant video level to the DVR in all conditions maintaining stable text display. Video Surge Suppression has been added along with an isolated earth lug to prevent lightning surges as well.

Processor

With the new 40 Mhz processing speed all the above functions are possible. With the increased 128K SRAM high speed buffering and processing is possible with large data packet processing tills. With the increased program memory of 128K, all AVE POS, Cash Register, printer, pole displays, customer displays, Scales, Money Counters, radars, GPS and all drivers developed by AVE are in one convenient unit.

Software

The VSI-Pro Max supports PC programming and firmware updating. It is also compatible with the Vnetworker protocol so can be programmed and configured remotely via the AVE line of DVRs.

Power

The VSI-Pro Max as all VSIs uses standard unregulated 12VDC. Full surge suppression on this power line prevents interference of common power supplies from effecting the interface, till or video system.

Mechanical

The VSI-Pro Max is housed in an electroplated metal enclosure with powder coated paint for compliance with all CE / FCC standards.

AVE (Thailand) Co., Ltd.
147 Soi On-Nuch 44
Sukhumvit 77 Rd. Suan Luang
Bangkok 10250 Thailand
Tel: 662-331-9364
Fax: 662-331-9365
Email: ave@avethailand.com
http://www.ave.co.th (Thai)
http://www.avethailand.com (English)

NORTH AMERICA
AVE Multiview USA
2000 West Governors Circle
Suite E, Houston, Texas 77092
Tel: 1-281-443-2300
Fax: 1-281-443-8915
Email: sales@aveusa.com
www.americanvideoequipment.com

WESTERN EUROPE
AVE Multiview
Unit 1C, The Potteries,
Woodgreen Road, Waltham Abbey
Essex, EN9 3SA, UK
Tel: 440-870-770-9323
Fax: 440-870-770-9363
Email: ave-uk@multiview.net
www.multiview.net