



Architects & Engineers Specifications (A & E Specifications)

VSSI-Pro ATM Interface

The AVE VSSI-Pro ATM Interface shall be a device that monitors the communication data stream from any ATM (Automated Teller Machine) and inserts the transaction data into the video image. It shall accept composite video input of any format via a BNC connector of 1V P-P. It shall output composite video of the same format with the transaction data inserted into the video via a BNC connector of 1V P-P. The Video S/N shall be better than 50 dB and the Video B/W shall be better than 7 MHz. The power input shall be 9-12VDC with a maximum power consumption of 150mW through a standard DC Coax 5.1mmx5.5mm size. The input communications data shall be accepted via a standard DB9F connector.

The device shall support RS-232C Asynchronous communications with automatic baud rate detection from 135 to 38.4K baud. It shall be programmable for 7 or 8 bit word length. The parity shall be programmable either Even, Odd or None with one fixed stop bit. The internal data buffer must be at least 32K Bytes. The device shall also support Synchronous Data Link SNA Communications, supporting NRZ, NRZI, or NRZID encoding with either ASCII or EBCIDIC character sets of automatic baud rates from 135 to 38.4K. The device shall also support Bisynchronous IBM 3670 or 3675 Communications supporting NRZ, NRZI, or NRZID encoding with either ASCII or EBCIDIC character sets of automatic baud rates from 135 to 38.4K. All input serial ports shall be of High Impedance nature so has no loading or effect on the ATM communication channel. Upon power loss the device show also have no load or any effect on the ATM communication channel. An auxillary RS-232C port shall output formatted transaction data to a 3rd party device for e-journal logging.

The device shall have Open Collector alarm outputs to trigger external devices not to exceed 12VDC at 20mA each. The device shall have an alarm input not to exceed 12VDC with High Impedance. There shall be an internal Real Time Clock that has the ability to lock its Time and Date to the incoming Time and Date of the ATM machine.

Programming of the device setups shall be via interactive on-screen menu selected and controlled by four front panel push buttons. These programming setups will be saved to battery backed up memory via a NiMH rechargeable battery that will save for at least one year after a full 24 hr charge. The on-screen text shall be a maximum of 40 characters in width and a maximum of 11 lines. The gray scale of the text shall be adjustable with 8 levels of gray and the matte background also adjustable with 8 levels of gray. The text window shall be adjustable to anywhere within the video image. The internal memory must be able to retain a minimum of 100 lines of transaction history.

The case shall be electroplated steel with powder coated beige color with rubber feet. The case size shall be a maximum of 145(L) x 127(W) x 43(H) mm or 5.7(L) x 5(W) x 1.7(H) in. The weight shall not exceed 0.70 Kg or 1.55 lbs net weight. The unit shall withstand Non-Condensing 85% Relative Humidity and temperatures of 0-50 degrees Celsius or 32-122 Degrees Fahrenheit.

The device shall have a minimum of 2 year warranty.