

## VAZ 250 Video Switching Matrix

- Ethernet Hierarchy for attached device
- Modular Design up to 32 inputs X 8 Outputs
- Up to 5 units can be combined
- 32 alarm inputs & 4 alarm Outputs
- Pelco P & D Protocols
- Alarm Inputs / Outputs Modules available
- Protocol converters available Pelco p/d to Coaxitron
- Looping modules available
- Multimedia Control via PC
- Coaxitron Protocol Conversion Units available



The VAZ 250 video matrix is a compact & cost effective system for up to 32 inputs x 8 outputs, with built in alarm handling for up to 32 inputs & 4 outputs, Up to 8 keyboards with either 3 axis control or 2 axis joysticks can be connected plus 1 PC via RS232 port.

The matrix can communicate to remote keyboards, data distribution units, Coaxitron protocol converters using RS485 serial data connection giving endless possibilities. The matrix uses the universally accepted Pelco Protocol for PTZ data Control or plettac's own RS485 data communications.

There are looping units for the incoming video signals available these are connected by 2 X 34 pin ribbon cables, and 5 matrices can be combined together to create a total of 160 video inputs X 40 Video Outputs.



# VAZ 250 Video Switching Matrix



## Data Distribution



- Independent Control
- Ethernet Interface
- Single Unit up to 256 cameras
- 4 Units up to 1024 cameras
- In built Network Configuration
- DIP Switch ID & Communications parameters
- Each RS485 Output has selectable 120Ω termination

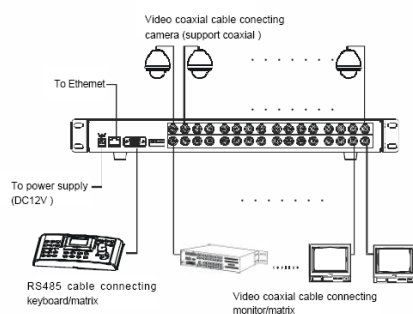
# VAZ 250 Video Switching Matrix

## Single Channel Coaxitron Converter



- Convert RS422 / RS485 Data to Pelco Coaxitron
- Multi-protocol Input selectable via Dip-switches

- *Pelco P/D*
- *Molynx*
- *Vicon*
- *Kalatel*
- *Panasonic*
- *VCL*
- *Philips*
- *American Dynamics*



- Small Compact 180g
- Supply Voltage 9Vdc
- Max Transmission Distance 300 mtrs
- RS485 Input has selectable 120Ω termination

## 16 Channel Coaxitron Converter



- Convert RS422 / RS485 Data to Pelco Coaxitron
- Multi-protocol Input selectable via Dip-switches
- 1u Rack Mountable
- Linkable over Ethernet port
- Max Transmission Distance 300 mtrs
- RS485 Input has selectable 120Ω termination

# VAZ 250 Video Switching Matrix

## Keyboard Controllers (These Keyboards will also control the Up the Coax Unit Directly)



### KVM04 Keyboard

- Control VAZ250 & VAZ350
- 2 Axis Joystick
- Control of up to 5 matrices (Vaz250)
- Up to 4 keyboards can be connected
- Backlit LCD Menu easy to operate
- Alarm trigger & reaction controls
- Camera Setup, camera address, presets, auto tour
- Long Distance Control 1200m (RS485 0.5mm twisted pair)



### KVM05 Keyboard

- Control VAZ250 & VAZ350
- 3 Axis Joystick
- Control of up to 5 matrices (VAZ250)
- Up to 4 keyboards can be connected
- Backlit LCD Menu easy to operate
- Alarm trigger & reaction controls
- Camera Setup, camera address, presets, auto tour
- Long Distance Control 1200m (RS485 0.5mm twisted pair)



### KVM06 Keyboard

- Control VAZ250 & VAZ350
- 3 Axis Joystick
- Control of up to 5 matrices (VAZ250)
- Up to 4 keyboards can be connected
- Backlit LCD Menu easy to operate
- Alarm trigger & reaction controls
- Camera Setup, camera address, presets, auto tour
- Long Distance Control 1200m (RS485 0.5mm twisted pair)
- 10M Ethernet connection for VAZ350 matrix

# VAZ 250 Video Switching Matrix

## Technical Details

Input Signal	1V (p-p, Input Impedance 75Ω)
Output Impedance	75Ω (BNC)
Insert Gain	+/- 0.5dB
S/N Ratio Weighted	> 52dB
Video Channel Isolation	> 60dB
Video Channel Crosstalk	> 50dB
Channel Bandwidth	50hz – 8Mhz
DC Level (video Signal)	0.4 – 0.6V
KB / Receiver Controlling Time	20ms (Typical)
Switching Speed	< 20ms PAL (typical) < 16.7ms (NTSC)
Video Input Connections	BNC (32 Inputs)
Video Output Connections	BNC (8 Outputs)
Alarm Inputs	32
Alarm Outputs	4
Keyboard Controllers	up to 8
PC Control	1
RS232 Port	One RS232 Local PC Port
Baud Rate	9600, 19200, 38400 bps
RS485 Port	Removable Screw Terminals
Video Looping	2 X 34 pin Ribbon Connector
OSD Display	Date / Time, Monitor Title, Camera No.& Title
Dimensions	295mm X 436mm X 50mm
Power Supply	220Vac 50Hz or 110Vac 60Hz
Weight	6.5Kg

\* Specifications & design Subject to Change without notice