

# VAZ 350 Video Switching Matrix

- Ethernet Hierarchy for attached devices
- Modular Design up to 224 inputs X 64 Outputs
- Up to 32 Matrixes integrate over Ethernet
- Pelco P & D Protocols
- Hot Swappable Cards
- Detect & Assign IP Devices Automatically
- Alarm Inputs / Outputs Modules available
- Protocol converters available Pelco p/d to Coaxitron
- Looping modules available
- Separate dedicated Video Channel for configuration
- PC Control Available

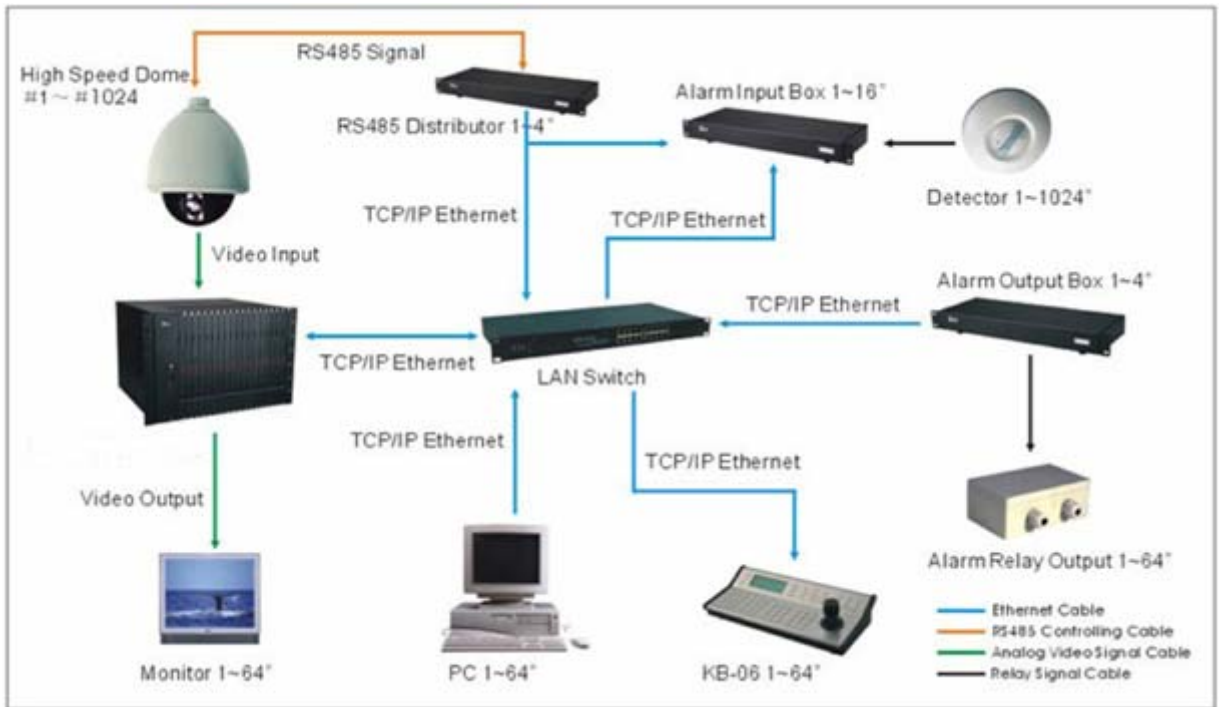


The VAZ 350 matrix is fully programmable video switching solution, to provide an economic solution or medium to large applications, the matrix can start from 16 video inputs X 16 Video Outputs up to 224 inputs by 64 outputs in 1 6u Subrack, Multiple matrix's can be connected to together to form a system capable of 1024 inputs X 64 outputs or 224 inputs x 256 Outputs or any combination in between.

The matrix can communicate to remote keyboards, data distribution units, alarm input / output modules & Coaxitron protocol converters using 10mbps Ethernet or 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.



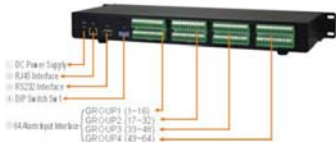
# VAZ 350 Video Switching Matrix



## Alarm Input Module



- Independent Control
- Ethernet Interface
- 64 Alarm Inputs
- Contact NO /NC
- In built Network Configuration
- DIP Switch ID & Communications parameters



## Alarm Output Module



- Independent Control
- Ethernet Interface
- 16 Alarm Outputs
- Contact NO /NC
- In built Network Configuration
- DIP Switch ID & Communications parameters



# VAZ 350 Video Switching Matrix

## Data Distribution



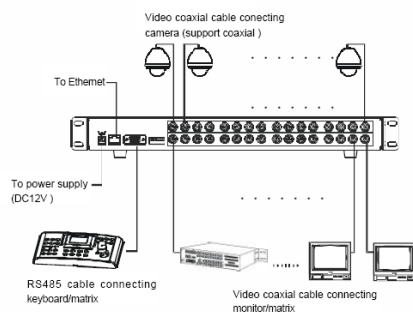
- Independent Control
- Ethernet Interface
- Single Unit up to 256 cameras
- 4 Units up to 1024 cameras
- In built Network Configuration
- DIP Switch ID & Communications parameters
- Each RS485 Output has selectable 120Ω termination

## 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 350 Video Switching Matrix

## Keyboard Controllers



### KVM06 Keyboard

- Ethernet or RS485 interface
- Control VAZ350 or 250
- 3 Axis Joystick
- Control of up to 1024 cameras
- Up to 64 keyboards can be connected
- 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)



### 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)

# VAZ 350 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)
Switch	Complete Switching of Cross Point Matrix
Switching Speed	< 20ms PAL (typical) < 16.7ms (NTSC)
Video Input Connections	BNC (16 – 1024 Inputs)
Video Output Connections	BNC (16 – 64 Outputs)
RS232 Port	One Rs232 Local PC Port
Baud Rate	9600, 19200, 38400 bps
Ethernet Port	10 Mbps
OSD Display	Date / Time, Monitor Title, Camera No.& Title
Character	Common English / Chinese Characters
Sync	Power Sync & Adjustable Sync
Data Storage	Configuration Settings held at least 5 years after loss of power.
Dimensions	312mm X 483mm X 420mm
Power Supply	220Vac 50Hz or 110Vac 60Hz
Weight	15Kg

\* Specifications & design Subject to Change without notice