

# VISTA VM8 MATRIX SWITCHER RANGE



## FLEXIBLE, RELIABLE CONNECTIVITY

The VM8 matrix switcher range is vista's latest matrix system and is available in six options, from 16-96 camera inputs, in groups of 16 cameras. Control of PTZ or static cameras is possible from up to four keyboards, switching any camera to up to eight different monitors.

The range is packed with advanced features, including multi-protocol telemetry on both coaxial and RS485 formats. This gives a wide choice of control options for new installations and the easy upgrade of existing systems by simply adding units as the need arises.

Up to 96 optional alarm inputs are available; each alarm input can be programmed to alarm four different cameras, including switching cameras to defined monitors, presets and triggering output relays. The simple menu-driven programming makes the range very easy to set-up and use whilst the robust construction ensures it won't let you down.

To learn more about this product range please visit us at [vista-cctv.com](http://vista-cctv.com)



### Key Features:

#### Multi-protocol dome control

Incorporating both RS485 and coaxial telemetry, various manufacturers' dome and PTZ cameras can be integrated and controlled on the same installation

#### Up the coax control

Allows replacement of static cameras with PTZs without expensive cabling

#### Up to 4 keyboard control locations

Keyboards connect via RS422 control bus, with different rights for camera access and control functions

#### 8 monitor outputs

8 fully independent outputs are controlled from any of the four keyboards, with individual camera selection and sequence options for each of the 8 monitors

#### 1 box solution

Simple solution for medium-sized matrix requirements, with 6 options in groups of 16 up to 96 cameras

THE PROFESSIONAL CHOICE

## MODELS IN THIS RANGE

|                 |   |
|-----------------|---|
| <b>VM8-1600</b> | 16 camera inputs 8 monitor outputs                      |
| <b>VM8-3200</b> | 32 camera inputs 8 monitor outputs                      |
| <b>VM8-4800</b> | 48 camera inputs 8 monitor outputs                      |
| <b>VM8-6400</b> | 64 camera inputs 8 monitor outputs                      |
| <b>VM8-8000</b> | 80 camera inputs 8 monitor outputs                      |
| <b>VM8-9600</b> | 96 camera inputs 8 monitor outputs                      |
| <b>VKBD3im</b>  | Matrix keyboard   |
| <b>VSD16</b>    | RS422/RS485 distribution box for keyboards or telemetry |
| <b>VM8ALM16</b> | 16 Alarm input board                                    |

## TECHNICAL SPECIFICATION

### GENERAL

|                                  |   |
|----------------------------------|---|
| <b>Number of video inputs</b>    | 16 to 96 looping BNC inputs 1Vp-p / 75 Ohms |
| <b>Number of monitor outputs</b> | 8 BNC outputs                               |
| <b>Alarm Inputs</b>              | Up to 96 alarm inputs N/C                   |
| <b>Keyboards/operators</b>       | Up to 4 control keyboards                   |

### CONNECTORS

|                            |  |
|----------------------------|--|
| <b>Power input</b>         | 2.1mm coaxial power connector                        |
| <b>Composite video in</b>  | Up to 96 x BNCs                                      |
| <b>Looping video out</b>   | Up to 96 x BNCs                                      |
| <b>Composite video out</b> | 8 BNCs   |
| <b>Alarm inputs</b>        | N/C input in groups of 16 Euro style terminal strips |

### COMMUNICATION

|                                  |                              |
|----------------------------------|------------------------------|
| <b>FSK telemetry protocols</b>   | Vista PowerDome and BBV coax |
| <b>RS485 telemetry protocols</b> | Vista RS485 and BBV          |

### PHYSICAL

|                          |                              |
|--------------------------|------------------------------|
| <b>Colour</b>            | Black - RAL 9005             |
| <b>Material</b>          | 1.5mm Zintec                 |
| <b>Rack / wall mount</b> | Mounting brackets 3mm Zintec |

#### VM8 - WEIGHTS AND DIMENSIONS

| Product          | Height     | Width        | Depth | Weight   |
|------------------|------------|--------------|-------|----------|
| <b>VM8-1600</b>  | 135mm (3U) | 429mm ( 19") | 120mm | 5.45 KG  |
| <b>VM8-3200</b>  | 135mm (3U) | 429mm ( 19") | 120mm | 5.9 KG   |
| <b>VM8-4800</b>  | 225mm (5U) | 429mm ( 19") | 120mm | 6.68 KG  |
| <b>VM8-6400</b>  | 225mm (5U) | 429mm ( 19") | 120mm | 7.13 KG  |
| <b>VM8-8000</b>  | 315mm (7U) | 429mm ( 19") | 120mm | 11.49 KG |
| <b>VM8-9600</b>  | 315mm (7U) | 429mm ( 19") | 120mm | 11.94 KG |
| <b>VM8-ALM16</b> | 45mm (1U)  | 429mm ( 19") | 120mm | 2.83 KG  |

## ELECTRICAL

|                      |             |
|----------------------|-------------|
| <b>Input voltage</b> | 9V - 12V DC |
| <b>Power supply</b>  | 500mA       |

## ENVIRONMENTAL

|                              |                 |
|------------------------------|-----------------|
| <b>Operating temperature</b> | -10 to +40°C    |
| <b>Humidity</b>              | None condensing |

## RELATED PRODUCTS

|                                      |           |
|--------------------------------------|-----------|
| <b>Keyboard</b>                      | VKBD3im   |
| <b>Additional alarm input boards</b> | VM8-ALM16 |

## RECOMMENDED PTZ DOMES

### Vista PowerDome Series

|                     |   |
|---------------------|---|
| <b>e.g.</b>         |   |
| <b>VPD-26D-WP-C</b> | External 26:1 day/night dome                      |
| <b>VPD-23D-WV-C</b> | External vandal resistant 23:1 WDR day/night dome |
| <b>VPD-22C-DF-S</b> | Internal ceiling mount colour 22:1 dome           |
| <b>VPD-PSU1e</b>    | PSU for internal dome                             |
| <b>VPD-PSU2e</b>    | PSU for external dome                             |
| <b>VPDL-5WP-P-C</b> | PowerDome Lite 22:1 day/night dome                |



No liability will be accepted by Vista for any errors or omissions in this information.

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