# 360VISION
## TECHNOLOGY

## Product Brochure

# VISIONMATRIX & VISIONKEYBOARD

**DESIGNED AND MANUFACTURED IN THE UK**

## VisionMatrix: Intelligent telemetry control matrix



**VisionKeyboard**



**VisionMatrix Series**



**VisionMatrix BM Series**

### Cost effective solution
The 360 Vision Technology Ltd Vision Matrix and Vision Keyboard combine to give a powerful and cost effective CCTV matrix solution with total compatibility to the VisionDome range.

### Up to 256 camera inputs
The VisionMatrix is available with 8, 16, 32, 48, 64, 128, 192 and 256 camera inputs — each with full telemetry control.

### Up to 12 monitor outputs
The VisionMatrix is available with 2, 4 or 12 monitor outputs.

### Up to 7 control keyboard
Up to 7 VisionKeyboards can control a VisionMatrix BM with RS232 input for PC/DVR control.

### "In Coax" and "TP" telemetry
Telemetry control is selected on each video channel giving a mix of "in-coax" and "twisted pair/RS485" in the same system.

### Integration — DVR & Transmission
The VisionMatrix provides seamless control of 360 VisionDomes by third party DVR and IP transmission products.

### Comprehensive alarm handling
Up to 144 alarms, each capable of instigating multiple camera actions, programmed via matrix menu screen.

### 360 High Speed PTZ cameras
All 360 High Speed PTZ camera features can be accessed from the VisionMatrix to enable first line, remote maintenance.

### On screen menu
A simple on screen menu system enables easy and intuitive system set up.

### Variable speed PTZ
Dome speeds of between 0.1°/s to 400°/s (pan) are controlled with the VisionKeyboard's 3 axis joystick — speeds adjust in proportion to the zoom position.

### Shop Monitor/Podium
VisionDomes used for surveillance purposes can be prevented from appearing on shop monitor/podium positions.

| VISIONMATRIX FEATURES | VISIONMATRIX 8x2, 16x2 | VISIONMATRIX (STACK) 32x2, 48x2, 64x2 | VISIONMATRIX (BM) 32X4, 64X4, 64X12 | VISION MATRIX (BM CASCADE-ABLE) 128x12, 192x12, 256x12 |
|---|---|---|---|---|
| Camera Inputs | 8, 16 | 32, 48, 64 | 32, 64 | 128, 192, 256 |
| Individual Input Termination | Yes | | | |
| Monitor Outputs | 2 | | 4, 12 | 12 |
| Control Ports | 2 x RS485 1 x RS232 | 1 x RS485 1 x RS232 | 5 x RS485 2 x RS232 | 3 x RS485 1 x RS232 |
| Dome/alarm ports | 1 x RS485 | | | |
| Alarm inputs on Matrix | 16 | | None | |
| Total Alarms (Matrix & Alarmcards) | 144 | | 128 | |
| Relay Output | 1 | | None | |
| RS485/TP Control | Yes | | | |
| Co-ax Control | Yes (up-to 4 monitors) | | No (12 monitors) | |
| Line-Lock | Yes | No | Yes | |
| Keyboard Lock/Unlock | Yes | | | |
| Shop Monitor | Yes | | No | |
| Podium | No | | Yes | |
| Auto-Sequence | Yes | | | |
| OSD Menu Operation | Yes | | | |
| Op/Con/Eng access levels | Yes | | | |
| Camera, Preset & Alarm titling | Yes | | | |
| Buzzer Off/On | Yes | | | |
| Proportional Speed Control | Yes | | | |
| Remote gain/Lift | Yes | | | |
| Protocol | 360 Vision Technology | | | |
| Weight | 2.9Kg | 8.7, 11.6, 14.5Kg | 8.5kg | 12Kg (128/12) |
| Power Supply (included) | 12Vdc | | 24Vdc | |
| Operating Temp/Humidity | 5°C to 40°C/0% to 90% | | | |
| Approval Certification | CE Approval | | | |

| VISIONKEYBOARD | MATRIX KEYBOARDS | | | BM MATRIX KEYBOARDS |
|---|---|---|---|---|
| Model | VKM0485 | VKAVXM485 | VKAVXM232 | VKAVXBM485 |
| LCD | No | Yes | | |
| RS485 (additional ports are used for 360 DVR control) | 1 | 1 x Matrix 1 x DVR | 1 x DVR | 1 x Matrix 1 x DVR |
| RS232 (additional ports are used for 360 DVR control) | 0 | 1 x DVR | 1 x Matrix 1 x DVR | 1 x DVR |
| DVR Control | No | Yes | | |
| DVR Models | N/A | Avalon T, H | | |
| Power Supply (included) | 12Vdc | | | |
| Weight/Shipping Weight | 1.8Kg incl PSU/2.8Kg incl PSU | | | |
| Dimensions | 296w x 119h x 220d (mm) | | | |
| Operating Temp/Humidity | 5°C to 40°C/0% to 90% | | | |
| Approval Certification | CE Approval | | | |

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