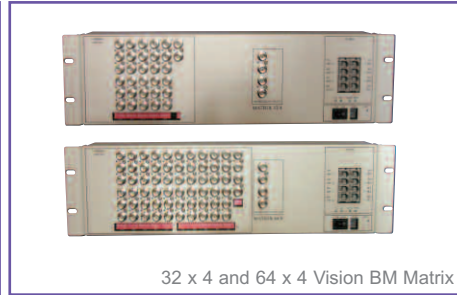# 360 vision
Opening the World of Vision

Vision Matrix, Vision Stacked Matrix, Vision BM Matrix and Keyboards

VisionKeyboard for VisionDome control

8 x 2 and 16 x 2 Vision Matrix

32 x 4 and 64 x 4 Vision BM Matrix

External VisionDome

Vision Keyboard for Vision Matrix, VisionDome and Vision DVR control

64 x 12 Vision BM Matrix

Intelligent telemetry control matrix

Cost effective solution ▸ The 360 Vision Technology Ltd. (360 Vision) 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 Vision Matrix is available with 8, 16, 32, 64, 128, 192 and 256 camera inputs - each with full telemetry control.

Up to 12 monitor outputs ▸ The Vision Matrix is available with 2, 4 or 12 monitor outputs.

Up to 7 control keyboards ▸ Up to 7 Vision Keyboards can control a Vision Matrix with RS232 input for PC 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 Vision Matrix provides seamless control of 360 VisionDomes by third party DVR and IP transmission products.

Coax only wiring ▸ The Vision Matrix enables coax only connection between the VisionDome and Vision Matrix to be controlled by a 3rd party RS485 transmission system.

Multi site control ▸ Simultaneous control of local and remote sites make the Vision Matrix ideal for central monitoring applications.

Comprehensive alarm handling ▸ Up to 144 alarms, each capable of instigating multiple camera actions, can be programmed via the on screen menu.

360 VisionDome compatibility ▸ All VisionDome and Vision*i*Dome features can be accessed from the Vision Matrix 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 Vision Keyboard's 3 axis joystick - speeds adjust in proportion to zoom position.

Shop monitor ▸ VisionDomes used for surveillance purposes can be prevented from appearing on shop monitors. Each camera can be set as "public" or "private".

VISION MATRIX FEATURES	Vision Matrix 8 x 2, 16 x 2 VM0008-02-EU VM0016-02-EU	Vision Stacked Matrix 32 x 2, 48 x 2, 64 x 2, VMID32M02-00 VMID48M02-00 VMID64M02-00	Vision BM Matrix 32 x 4, 64 x 4, 64 x 12 VM0032-04 VM0064-04 VM0064-12	Vision BM Matrix Cascadeable VM0128C-12 VM0192C-12 VM0256C-12
Camera inputs	8, 16	32, 48, 64	32, 64	128, 192, 256
Individual input termination	Yes	Yes	Yes	Yes
Monitor outputs	2	2	4 or 12	12
Control ports	2 x RS485	1 x RS485	5 x RS485	3 x RS485
	1 x RS232	1 x RS232	2 x RS232	2 x RS232
Dome/alarm ports	1 x RS485	1 x RS485	1 x RS485	1 x RS485
Alarm inputs (on matrix)	16	16	0	0
Total alarms (matrix & alarm boxes)	144	144	128	128
Alarm o/p (on matrix)	1	1	0	0
TP control	Yes	Yes	Yes	Yes
Co-ax control	Yes	Yes	Yes	Yes
Line-lock	Yes	No	Yes	Yes
Presets	360 per camera	360 per camera	360 per camera	360 per camera
Tours	4 per camera	4 per camera	4 per camera	4 per camera
Mimics	4 per camera	4 per camera	4 per camera	4 per camera
Keyboard lock/unlock	Yes	Yes	Yes	Yes
Shop monitor	Yes	Yes	No	No
Auto-sequence	Yes	Yes	Yes	Yes
Tour mimic programming	Yes	Yes	Yes	Yes
Selectable on-screen disp's	Yes	Yes	Yes	Yes
Camera, p'set, alarm titling	Yes	Yes	Yes	Yes
Absolute position	Yes	Yes	Yes	Yes
Set matrix factory default	Yes	Yes	Yes	Yes
Op/con/eng access level	Yes	Yes	Yes	Yes
Buzzer on/off	Yes	Yes	Yes	Yes
Proportional speed ctrl	Yes	Yes	Yes	Yes
Iris control	Yes	Yes	Yes	Yes
Focus - near/far/auto	Yes	Yes	Yes	Yes
Remote gain/lift/reset	Yes	Yes	Yes	Yes
Auto - 180°	Yes	Yes	Yes	Yes
White balance	Yes	Yes	Yes	Yes
Home - preset, tour, mimic	Yes	Yes	Yes	Yes
Cam remote power reset	Yes	Yes	Yes	Yes
Cam factory reset	Yes	Yes	Yes	Yes
Dig zoom - enable/disable	Yes	Yes	Yes	Yes
Privacy zone setting	Yes	Yes	Yes	Yes
Col/mono change over	Yes	Yes	Yes	Yes
Freeze presets	Yes	Yes	Yes	Yes
Fast shutter	Yes	Yes	Yes	Yes
Protocols	360 Vision	360 Vision	360 Vision	360 Vision
Weight	2.9Kg	8.7/11.6/14.5Kg	3.1Kg	6.2/9.3/12.4Kg
Shipping weight incl PSU	3.4Kg	10.2/13.6/17.0Kg	4.5Kg	9.0/13.5/18.0Kg
Power supply (included)	12Vdc	12Vdc	24Vdc	24Vdc
Dimensions (mm)	366W x 51H x 142D	366Wx153/204/255Hx142D	430W x 134H x 90D	430Wx268/402/536Hx90D
Shipping dimensions	540W x 100H x 220D	540Wx300/400/500Hx220D	600W x 200H x 190D	600Wx400/600/800Hx190D
Operating temp/humidity	5 to 40°C / 0% to 90%	5 to 40°C / 0% to 90%	5 to 40°C / 0% to 90%	5 to 40°C / 0% to 90%
Approval / certification	CE approval	CE approval	CE approval	CE approval

VISION KEYBOARDS	Keyboards for Matrices: VM0008-02-EU, VM0016-02-EU, VM0032-02-EU, VM0064-02-EU, VM0048-02-EU			Keyboards for Matrices: VM0032-04, VM0064-04, VM0064-12, VM0128C-12, VM0192C-12, VM0256C-12
Type	VKM0485-EU	VKXM0485-EU	VKXM0232-EU	VKXBMM485
LCD	No	Yes	Yes	Yes
RS485	1	2	2	2
RS232	0	1	1	1
DVR Control	No	Yes	Yes	Yes
DVR Types	N/A	Avalon, Avalon+		
Power supply / consumption	12Vdc PSU included <2.5W			
Weight / shipping weight	1.8Kg incl PSU / 2.8Kg incl PSU			
Dims / shipping dims	297W x 111H x 230D mm / 400W x 170H x 280D mm			
Operating temp/humidity	5 to 40°C / 0% to 90%			
Approval / certification	CE approval			

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