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# TFT-LCD Digital Multivision

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## Dz-Wall Block<sup>®</sup>

### Product proposal



## Free extendable 40" & 46" TFT-LCD Video Block

Dz-Wall Block shows what the most progressive solution of video wall and digital signage is. Dz-Wall Block's high resolution TFT-LCD display image, flexible screen configuration, free extendable block design and it's various image control software are ready to be applied to any innovative A/V system design. Dz-Wall Block will make imagination of System integrators come true.

### General features

- **Resolution** : Up to 1900 x 1200(RGB), 1080p Full HD(DVI) input image receivable
- **Clean picture image** : Image compensation with Digital 3D Comb filter, ADC, Clamping, AGC, De-interlacing and Scaling, Edge smoothing, Object base DNR, Mosquito NR, MPEG block NR, Keystone, etc.
- **Free voltage (SMPS)** : 100 ~ 240 Volts
- **RS-232C control**
  - **Real** : Display input image sources on each screens
  - **Zoom** : Display one extended image over several screens
  - **Screen setting** : Color, Brightness, Contrast, etc.
  - **PIP, Aspect ratio(4:3 or 16:9), Text/Graphic mode, Sleep/Wake up, Volume control, Freeze**

### Specifications

#### [ TFT-LCD panel ]

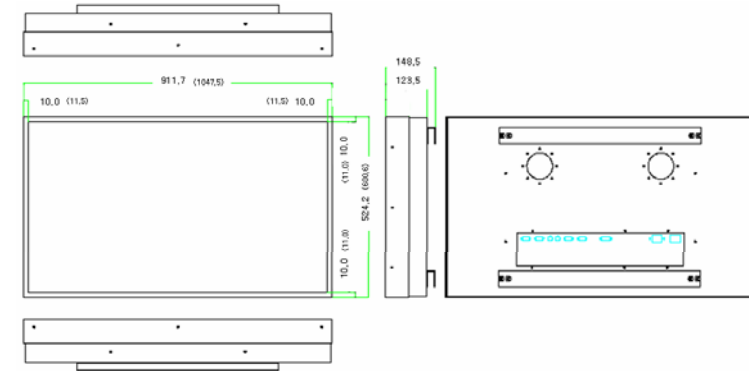
- **LCD Driver element** : 40 inch & 46 inch a-Si TFT active matrix
- **Resolution** : WXGA (1366x768 pixels)
- **Display colors** : 16.7M(8bits true)      - **Brightness** : 700cd/m2
- **Contrast Ratio** : 1200:1                      - **Response time** : 8ms
- **Viewing Angle [°,U/D/L/R]** : 89/89/89/89

#### [ Dz-Wall Block ]

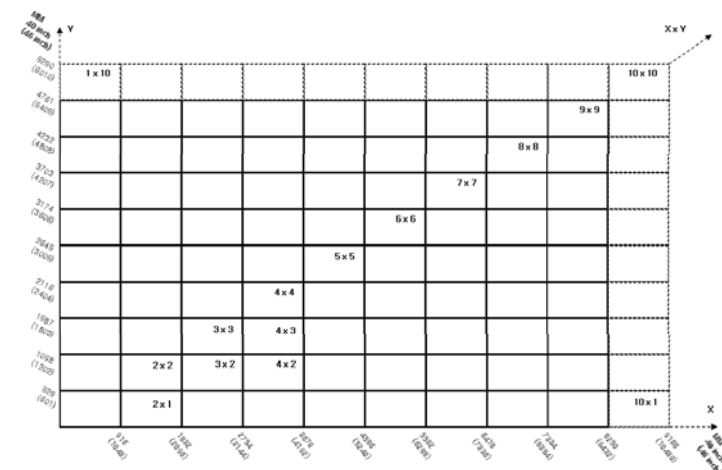
- **Control** : RS-232C
- **Power consumption** : 400W(40inch), 500W(46inch)
- **I/O port** : Input – BNC(Video) x 1, D-Sub 15p(RGB) x 1, DVI x 1, RS-232C x 1  
Output – BNC(Video) x 1, D-Sub 15p(RGB) x 1, DVI x 1, RS-232C x 1
- **Dimension(WxHxD)** : 911.7mm x 524.2mm x 123.5mm (40inch), 1047.5mm x 600.6mm x 123.5mm (46inch)
- **Weight(Approx)** : 35Kg(40inch), 39Kg(46inch)
- **Operating Temperature** : 0°C~50°C
- **Seam width (Between screen and screen)** : 40inch - 21.5mm(L/R,U/D), 46inch – 24.5mm(L/R,U/D)
- **Mounting type** : Wall mount



### [ Dz-Wall Block ] Dimensions of 40inch (46inch)



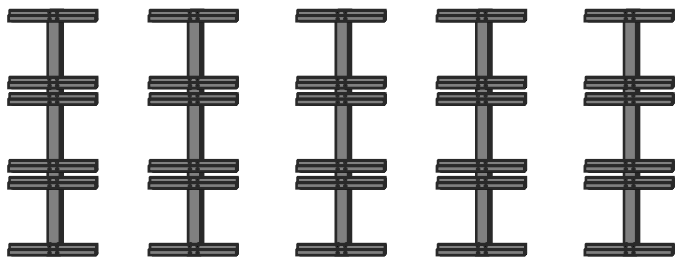
### [ Flexible Configuration and Free extension of Dz-Wall Block ]



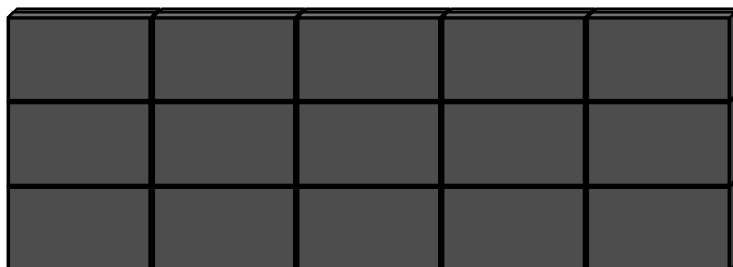
## Dz-Wall Block Installation Procedure



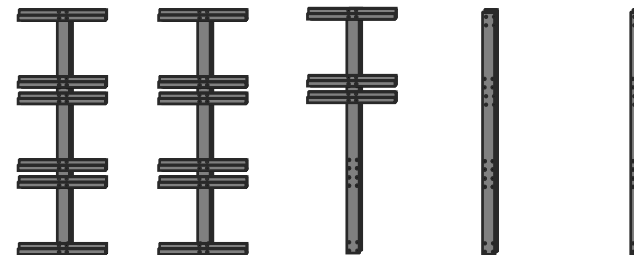
**Step 1 >** Fix the Vertical Wall mount brackets on the wall with anchor bolts.



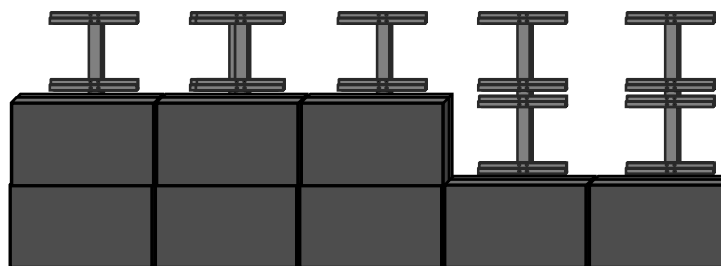
**Step 3 >** Measure degrees of the installed brackets' vertical and horizontal lines.



**Step 5 >** Wiring power and signal cables and then adjust column and row lines of screens.



**Step 2 >** Assemble the Horizontal Wall mount brackets on to the fixed Vertical Wall mounts brackets with screws.

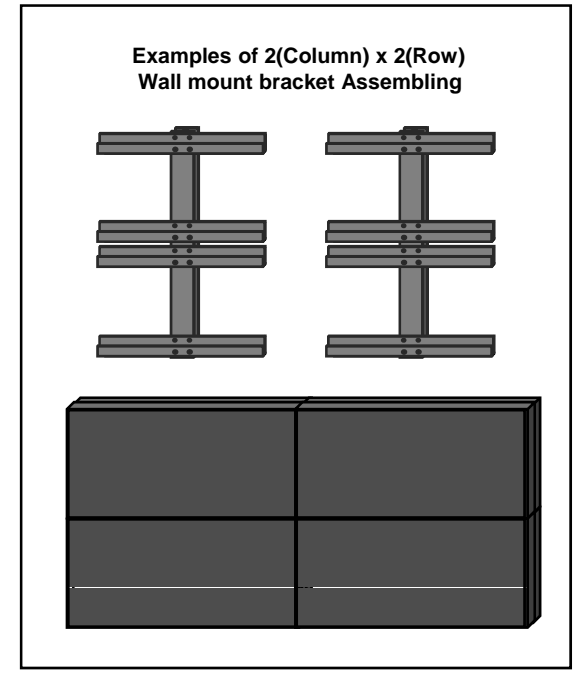
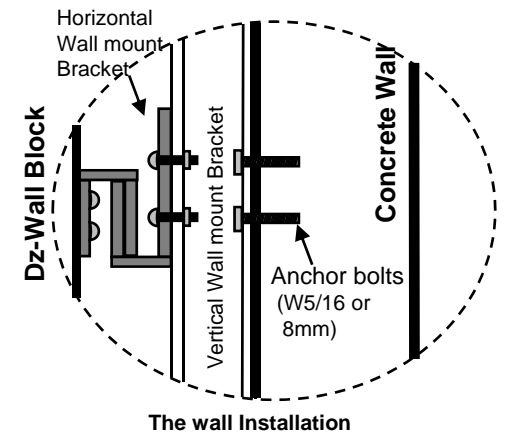
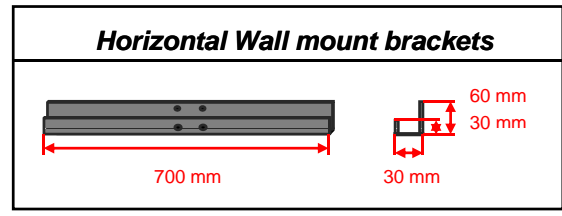
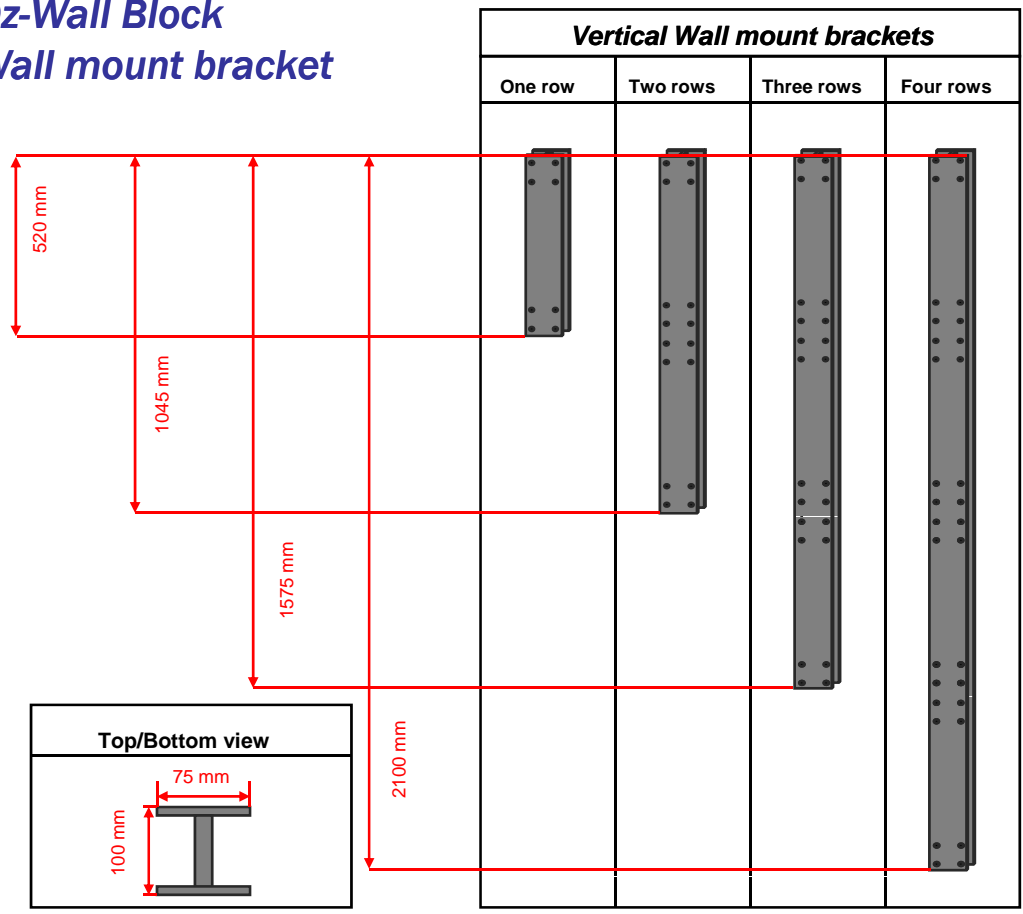


**Step 4 >** Hang Dz-Wall Blocks on the mounting brackets from the bottom lines.

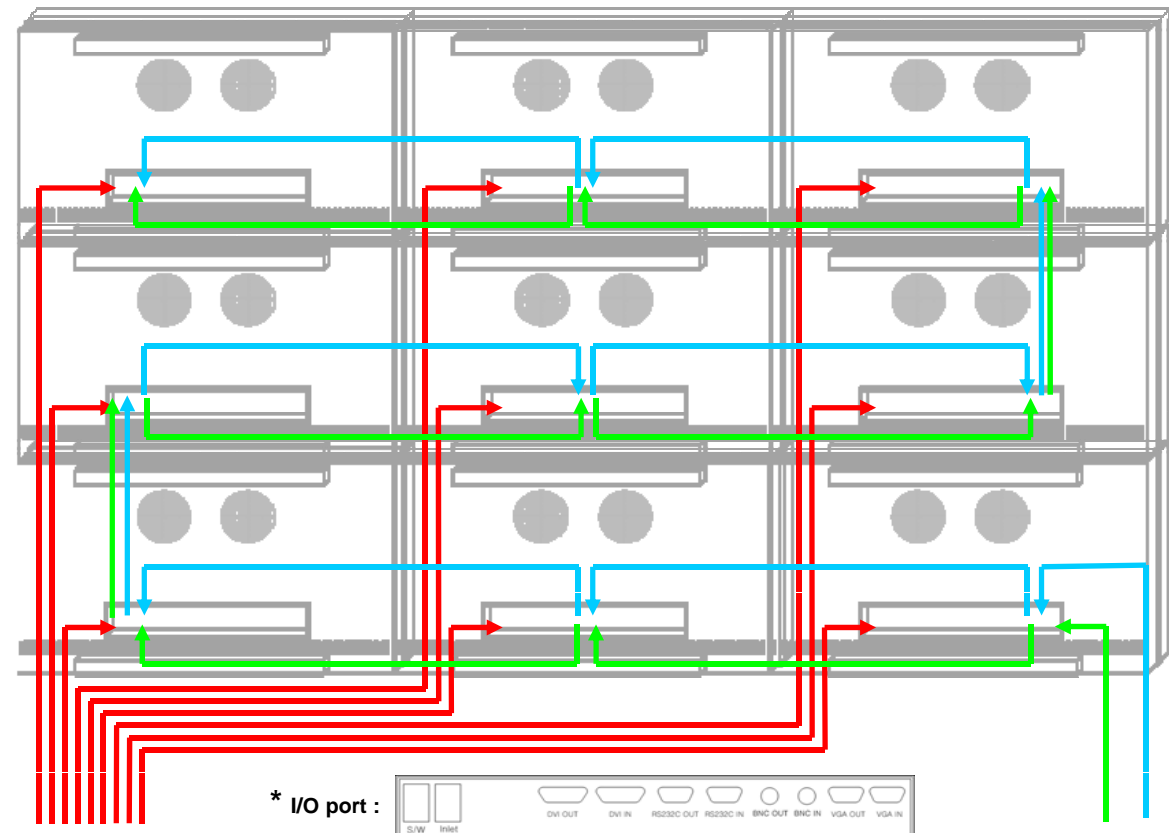


**Step 6 >** Set input signals and image configurations with served control program.

**Dz-Wall Block**  
**Wall mount bracket**



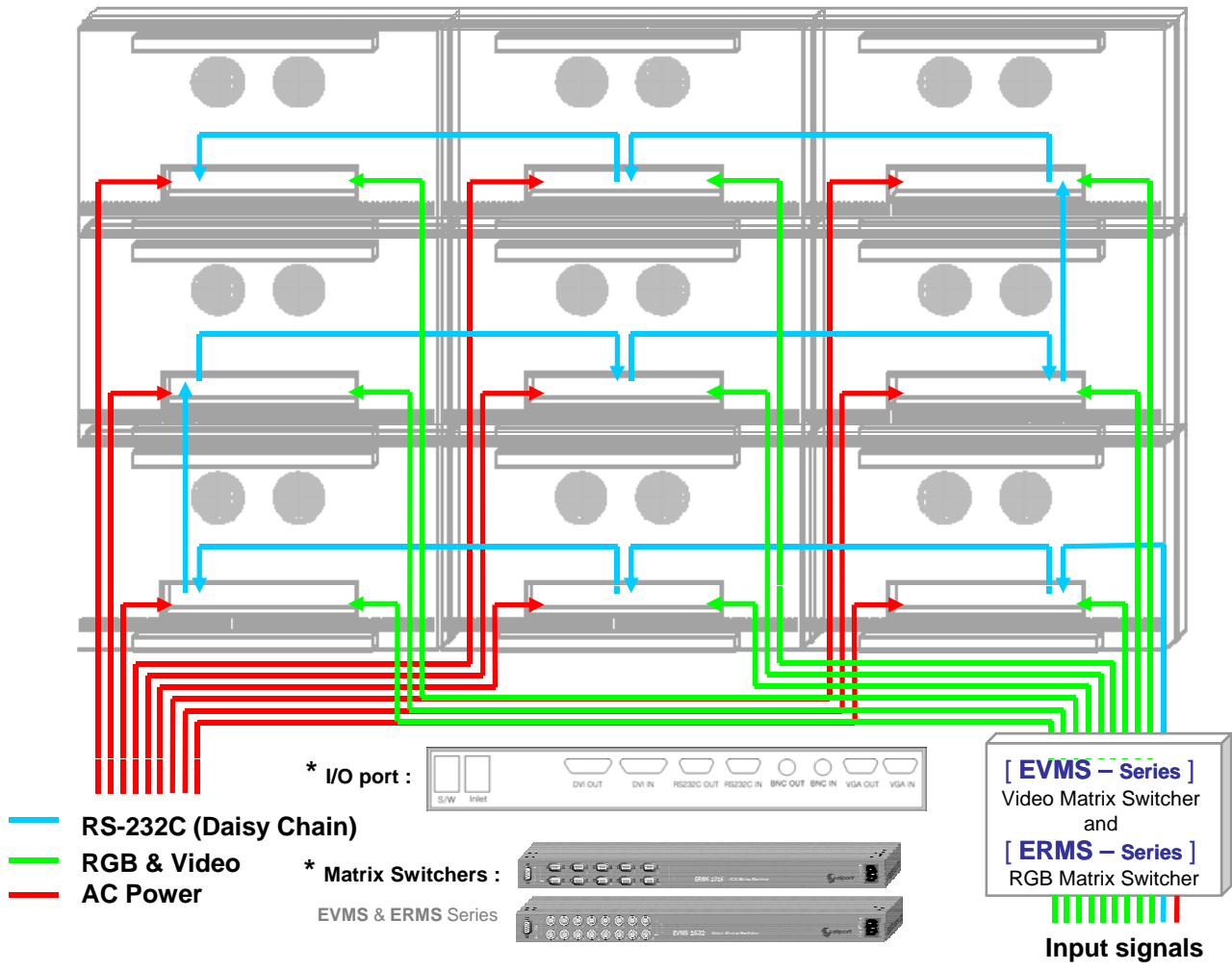
## Dz-Wall Block Cabling diagram [RGB & Video Daisy Chain system]



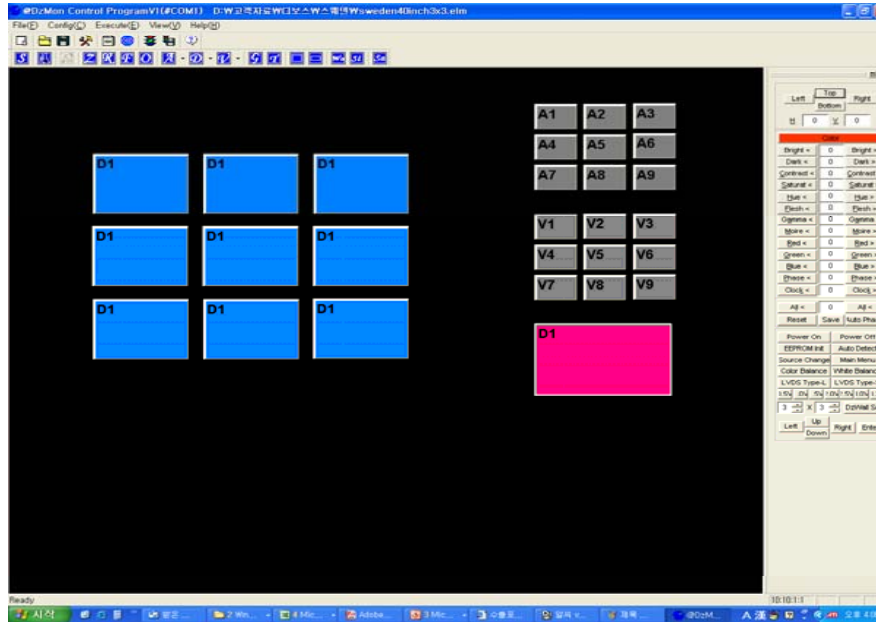
- RS-232C (Daisy Chain)
- RGB & Video (Daisy Chain)
- AC Power

\* RGB and Video signal Daisy Chain is available up to nine(9) screens without Matrix Switcher.

## Dz-Wall Block Cabling diagram [Matrix Switcher system]



## Dz-Wall Block Control Program



### ► Main tool menu :



Screen setting



Scenario setting



Screen value setting



Option setting

### ► Screen setting menu :



Send



Zoom



Real



Freeze on



Freeze off



VGA



DVI



Video



Save



Graphic mode



Text mode



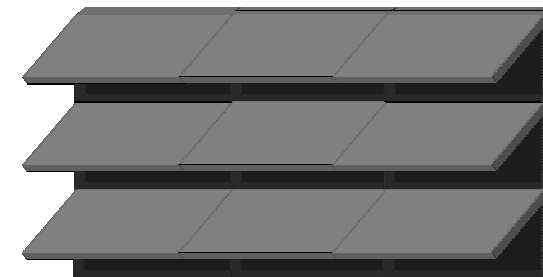
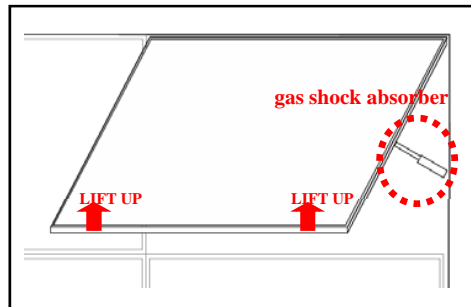
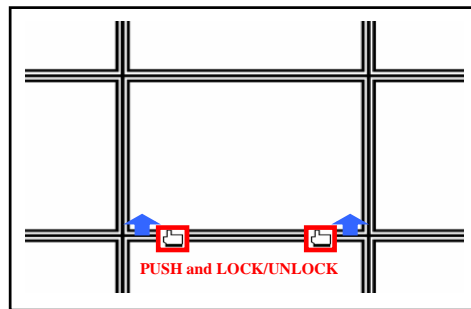
Wake up



Sleep

## Dz-Wall Block Front Access mechanism for Easy Maintenance

**Dz-Wall Block** has the most improved revolutionary mechanism of **the Pulling Window**. Every possible maintenance (screen & cable setting, changing circuit boards, changing cables, changing LCD screen, etc.) can be done from the front simply by opening the LCD screen. **The Pulling Window** has one touch locking mechanism so user can open and close the screen without tools.



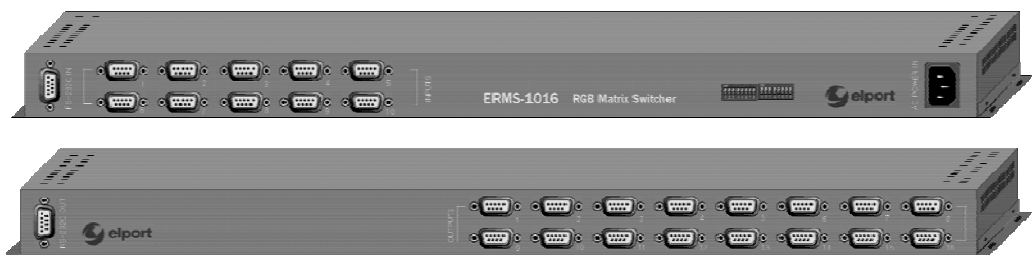


**Matrix Switcher Packages [ EVMS & ERMS Series ]**

**ERMS - Series** RGB Matrix Switcher

Mount type	Model Name	Number of Inputs	Number of Outputs
Slim type	ERMS - 1010	10	10
	ERMS - 1016	10	16
	ERMS - 0426	4	26
Rack type	ERMS - 1616	16	16
	ERMS - 1632	16	32
	ERMS - 1648	16	48

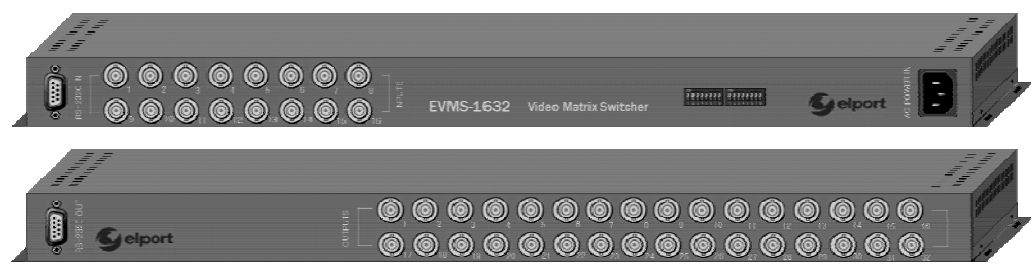
**ERMS - Series** RGB Matrix Switcher



**EVMS - Series** Video Matrix Switcher

Mount type	Model Name	Number of Inputs	Number of Outputs
Slim type	EVMS - 1010	10	10
	EVMS - 1616	16	16
	EVMS - 2626	26	26
Rack type	EVMS - 6464	64	64
	EVMS - 8080	80	80
	EVMS - Max	256	256

**EVMS - Series** Video Matrix Switcher



\* **Slim type** Matrix Switchers are designed to be installed at the rear of Dz-Wall Block.



Elport Co., LTD.

Room 407, D-Dong, Techno Park. 151, Yatab-Dong  
Bundang-Gu, Sungnam-Si, Kyunggi-Do, Korea 463-760

Tel : +82-31-701-4485 Fax : +82-31-704-4482

Mr.J.K.Kim (Overseas Sales Team manager)

E-mail : [jkim@elport.com](mailto:jkim@elport.com)

Web site : [www.elport.com](http://www.elport.com)

Thank you !