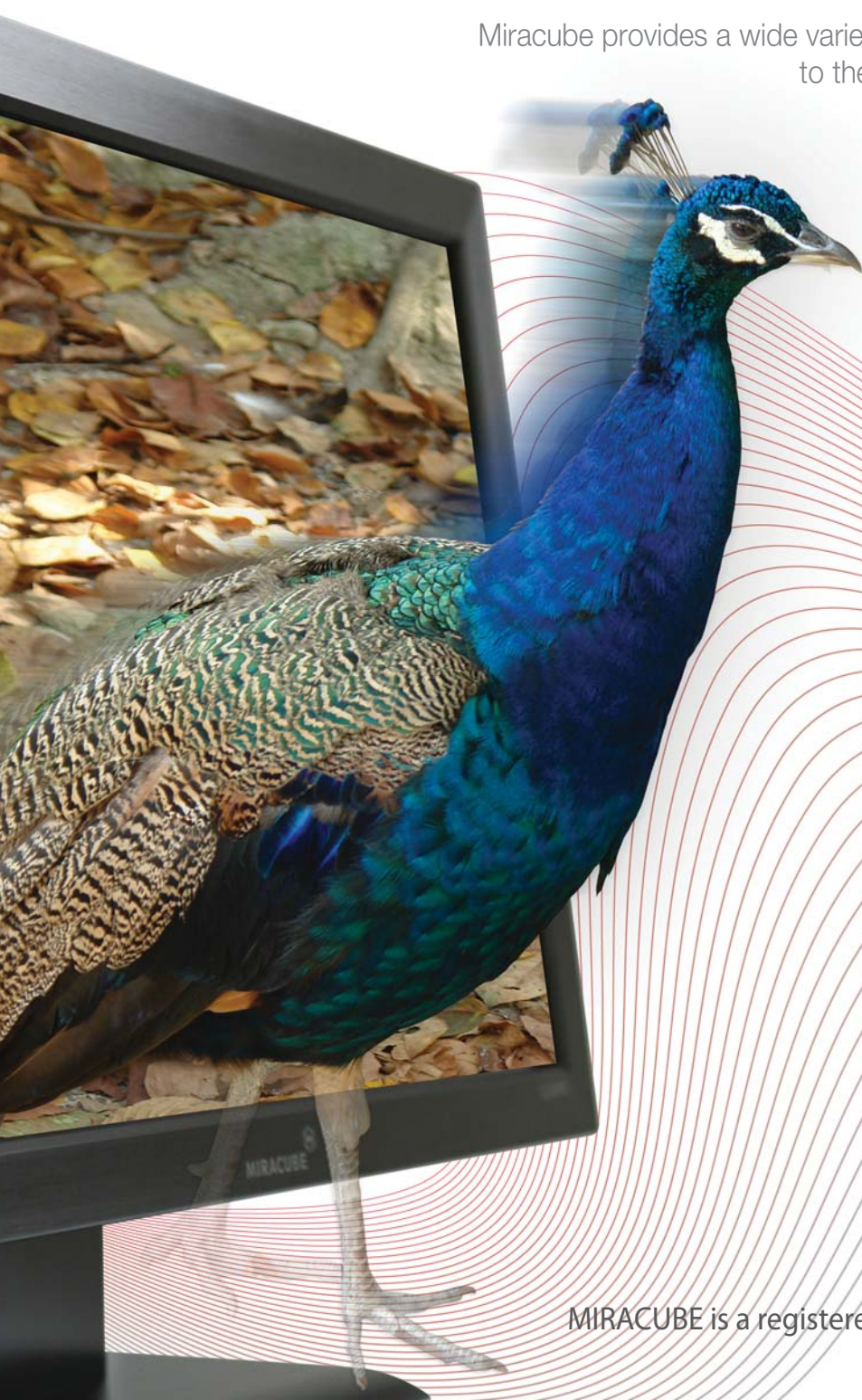




MIRACUBE

3-D Solution Guide Line

Miracube provides a wide variety of 3D solutions from content creation to the world's largest 3D multicube system.



MIRACUBE is a registered trade mark of PAVONINE KOREA, INC.

Best choice, Best result

MIRACUBE 3D Display

Contents

Features of MIRACUBE

Guide line for 3D display choosing

Display line-ups

Glasses type (Circular polarizer)

Non-glasses type

3-D panel supply

Glasses type

Non-glasses type

Non-glasses type (multi view)

3D Home theater projection system

3D studio system
for professional contents making

MIRACUBE Accessary

Cooperation & Partner ship

3-D multicube system



Glasses type



Non-glasses type



Parts supply



Complete unit



Studio product

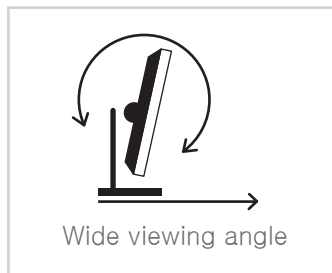
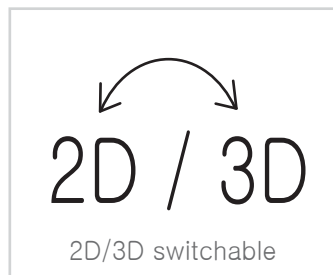
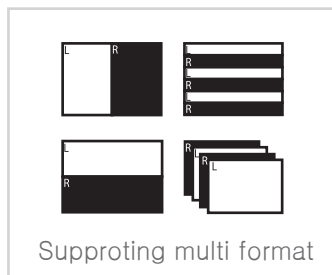
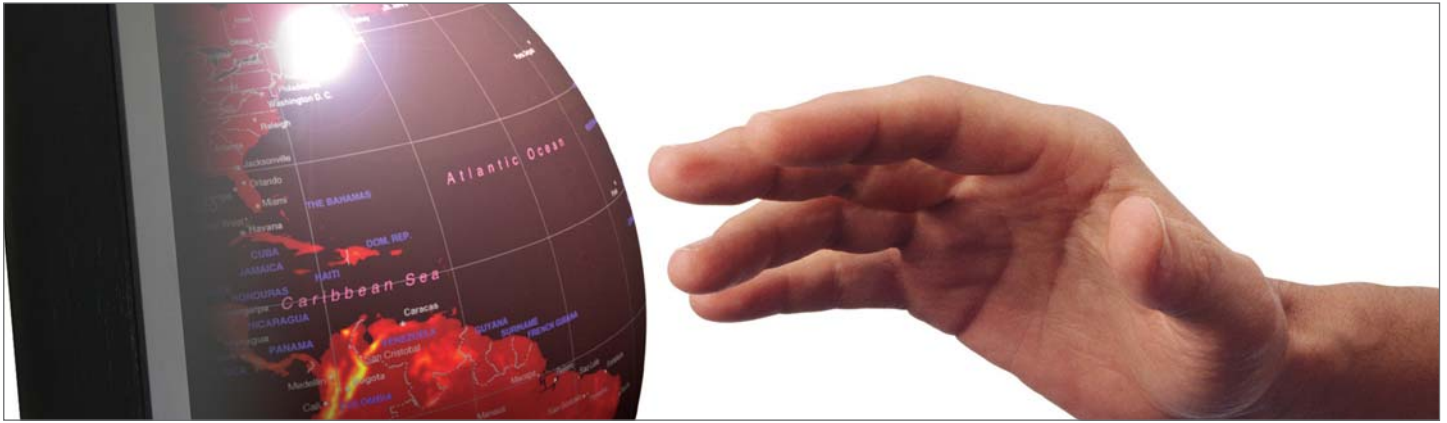


Premium product



Consumer product

Images on this catalog can be different from actual product image.



MIRACUBE MFX 3D Engine

MIRACUBE MFX3D Engine supports Frame Sequential, Side by Side, Top & Bottom and Interlaced formats. The MIRACUBE MFX Engine is built in to provide a powerful & active 3D display. No-requirement for extra hardware or soft-ware.

World's largest 3-D solution line-ups

Miracube has a complete 3D solution for a variety of industries. Miracube has both glasses and non-glasses type displays.

Main market for MIRACUBE

Total solution
From content creation
To the professional
3D display



3D Design review center



3D filming studio



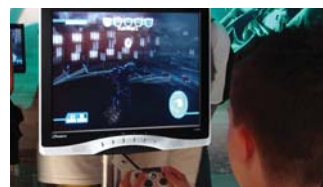
3D Medical System



3D R&D Center



3D Entertainment



3D Profesional



Guide line for choosing right 3-D display

Application	Recommended Display			
	<div> <div>Single user</div> <div>Multi users</div> </div>			
3D VR	G240S	G460X	2X2 multicube	3X3 multicube
Architecture	G240S	G460X	2X2 multicube	3X3 multicube
Medical Science	G240S	G460X	2X2 multicube	Synchronizer
Design review center		G460X	2X2 multicube	3X3 multicube
Exhibition & Promotion		G460X	2X2 multicube	3X3 multicube
GIS	G240S	G460X		3X3 multicube
Mid grade contents creation	G240S	3D Studio System	G320S	G460X
Professional film making	G240S	3D Studio System	G320S	G460X
Aerospace	G240S	C190S		G460X
Photographic	G240S	C190S		
Mid grade CAD & graphics	G240S			G460X
High-end CAD & graphics	G240S			
Game	G170S	G220E		
3-D Beginner	G170S	G220E		

MIRACUBE PRODUCTS INFORMATION

Glasses Type



G170P 17 inch **Educational economic version**

Resolution: [2D]1280X1024 [3D]1280X512

INPUT: RGB

2D / 3D Switchable

Built in MFX 3D Engine

Format: Side by Side, Up & Down, Interlaced, Frame Sequential

PAL, NTSC Support



G170S 17 inch **Reasonable price & High performance**

Resolution: [2D]1280X1024 [3D]1280X512

INPUT: RGB

2D / 3D Switchable

Built in MFX 3D Engine

Format: Side by Side, Up & Down, Interlaced, Frame Sequential

PAL, NTSC Support



G190M 19 inch **Clear and Brighter**

Resolution: [2D]1280X1024 [3D]1280X512

INPUT: RGB

2D / 3D Switchable

Built in MFX 3D Engine

Format: Side by Side, Up & Down, Interlaced, Frame Sequential

PAL, NTSC Support



G220S 22 inch **Games and entertainment**

Resolution: [2D]1680X1054 [3D]1680X525

INPUT: RGB, DVI

FMT 2200 External Formater compatible



MIRACUBE PRODUCTS INFORMATION

Glasses Type



G240M 24 inch Full HD High performance

Resolution: [2D]1920X1200 [3D]1920X600

INPUT: RGB,DVI,HD-Component

2D / 3D switchable

Built in MFX 3D Engine

Format: Side by Side, Up & Down, Interlaced, Frame Sequential

Support PAL, NTSC



G320S 32 inch Best choice for 3D demonstrations

Resolution:[2D]1366X768 [3D]1366X384

INPUT: RGB,DVI

2D / 3D switchable

Built in MFX 3D Engine

Format: Side by Side, Up & Down, Interlaced, Frame Sequential

Support PAL, NTSC



G460S 46 inch Wider viewing angle, bigger 3D impact

Resolution: [2D]1920X1080 [3D]1920X540

INPUT: RGB,DVI,HD-Component

2D / 3D switchable

Built in MFX 3D Engine

Format: Side by Side, Up & Down, Interlaced, Frame Sequential

Support PAL, NTSC



G460X VR 46 inch Showrooms & VIP Presentations

Resolution: [2D]1920X1080 [3D]1920X540

INPUT: RGB,DVI,HD-Component

2D / 3D switchable

Built in MFX 3D Engine

Format: Side by Side, Up & Down, Interlaced, Frame Sequential

Support PAL, NTSC



MIRACUBE PRODUCTS INFORMATION

Non - Glasses Type



C190S 19 inch

2D/3D switchable non glasses type
Medical & science use

Resolution: [2D]1280X1024 [3D]640X1024

INPUT: RGB

2D / 3D switchable

Built in MFX 3D Engine

Format: Side by Side, Up & down, Interlaced, Frame Sequential

Support PAL, NTSC



C190X 19 inch

Professional Glasses free display
Aerospace, Medical use

Resolution: [2D]1280X1024 [3D]640X1024

INPUT: RGB

2D / 3D switchable

Built in MFX 3D Engine

Format: Side by Side, Up & down, Interlaced, Frame Sequential

Support PAL, NTSC



C220S 22 inch

Natural color Glasses free 3D Display

Resolution: [2D]1650X1050 [3D]840X1050

INPUT: RGB,DVI

3D Only

Built in MFX 3D Engine

Format: Side by Side, Up & down, Interlaced, Frame Sequential

Support PAL, NTSC



C240S 24 inch

Pavonine's special optical process

Resolution:[2D]1920X1200 [3D]960X1200

INPUT: RGB,DVI

3D Only

Built in MFX 3D Engine

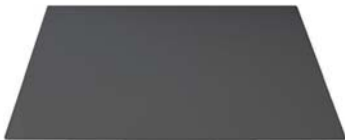
Format: Side by Side, Up & down, Interlaced, Frame Sequential

Support PAL, NTSC



3D Part Supply

Glasses Type



G700PN 7 inch

Glasses type 3D panel

Digital photo frame

Resolution : 800X480

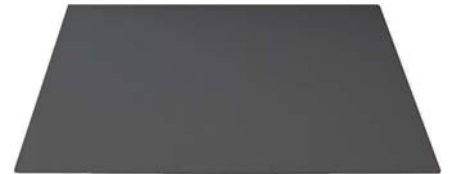


G800PN 8 inch

Glasses type 3D panel

3D view finder

Resolution : 800X600



G104PN 10,4 inch

Glasses type 3D panel

Portable devices

Resolution : 800X600



Non - Glasses Type

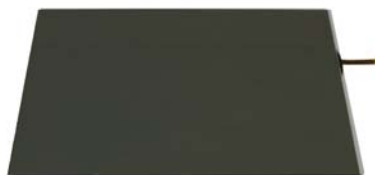


C048PN 4,8 inch

Non-glasses type 3D panel

Digital photo frame

Resolution : 800X480



C070PN 7 inch

Non-glasses type 3D panel

3D view finder

Resolution : 800X480



C080PN 8 inch

Non-glasses type 3D panel

Portable devices

Resolution : 800X600



3D Part Supply

Non - Glasses Type



C150PN 15 inch

Non-glasses type 3D panel

3D Digital Frame

Resolution : 1024X768



C170PN 17 inch

Non-glasses type 3D panel

3D Advertisement panel

Resolution : 1280X1024



C190PN 19 inch

Non-glasses type 3D panel

3D Advertisement panel

Resolution : 1280X1024



무 안경 멀티뷰 방식 5,8 시점 Multi view



M150PN 15 inch

3D multi view panel

Advertisement

Glass patterning, Extended life time

Resolution : 1024X768



M240PN 24 inch

3D multi view panel

Advertisement

Glass patterning, Extended life time

Resolution : 1920X1200



M460PN 46 inch

3D multi view panel

Advertisement

Glass patterning, Extended life time

Resolution : 1920X1080



3D Home theater Beam Projection System



Bring a real 3-D theater into your living room

3D Splitter



3DSPT 1000 Splitter

3D splitter for multicube solutions.

1CH input , 2CH output

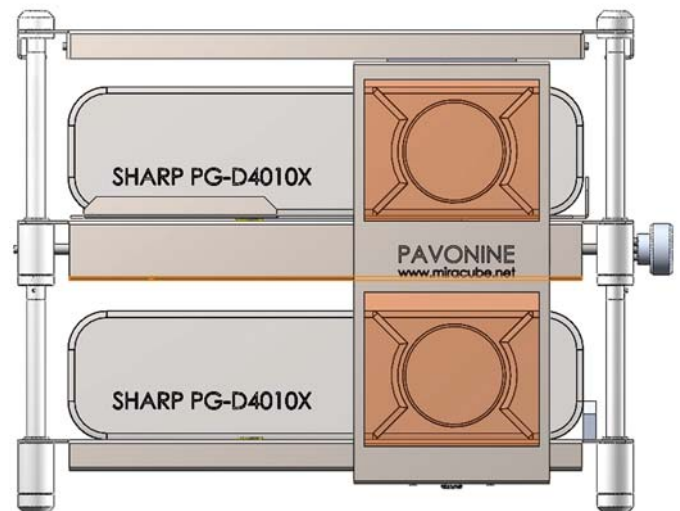
Input format: L/R, T/B

Input port: RGB, DVI

Output format: 2D-Left, 2D-Right, 3D-Left & Right



3-D project mount



MTX 1000 3D beam projector Mount

Professional 3D Beam projector mount with Adjustment wheel

Easy install, wide compatibility

Projector adjust wheel

Circular polarizer installed

Improve durability and steadibility

Demension : 380(L)x450(W)x126x2(H)

Independent 4 adjustment lever, Level for each stage

Horizontal movement (0~70mm)



3D Studio System



3D Synchronizer



HDMFX 8000

Studio Professional

Standard : 1920x1080i/59.94,60Hz, 720x525i/60Hz

SMPTE274M, SMPTE259M

Input : SDI, Component, DVI (Left/Right)

Output : SDI x 2, Component, DVI x 2
(LR, Frame, Left, Right)



HDMFX 7000

Studio HDMI support

Standard : 1920x1080i/59.94Hz

Input : DVI (Left/Right)

Output : DVI x 2 (LR, Frame, Left, Right)



HDMFX 6000

Studio HD-SDI support

Standard : SMPTE274M, SMPTE259M

Input : SDI (Left/Right)

Output : SDI x 2 (LR, Frame, Left, Right)



HDMFX 5000

Studio Component

Standard : 1920x1080i/59.94Hz, 720x525i/60Hz

Input : Component (Left/Right)

Output : Component x 2 (LR, Frame, Left, Right)



3D Studio System for 3-D contents creation

3D camera RIG



CMT 1000

Mini HDV

HDV compact version

Dimension : 155(L)x376(W)x152(H)

Manfrotto 585 compatible quick shoe

Panning Stage / Horizontal stage

Level for camera & stage

Horizontal movement 65~280mm



CMT 2000A

Mid-grade HDV

HDV Educational
Automatic version

Convergence & Disparity Control

Parallel movement

Automatic Distance adjustment, 80mm~360mm

Simultaneous Camera control LANC

REC./STOP, ZOOM in/out, POWER

Manual control wheel

Horizontal Movement & Optical axis Control lever



CMT 8000

Professional HD grade

Dimension : 214(L)x585(W)x168(H)

Locking Clamp for each stage

Manfrotto 585 compatible quick shoe

Panning Stage / Horizontal stage

Four Position Indicator

Level for camera & stage

Camera distance 62~380mm



3D digital camera LANC



Simultaneous Camera control for zoom in & out, Shuttering and Power

Simple connection with ACC port on Digital camera

LQ 100DG

Digital Camera

LQ 100CA

Digital Camcorder



3D Studio System for 3-D contents creation

3D View finder

VFD 007A 7 inch 3-D camera view finder

Resolution:800x480

INPUT: DVI/HDMI

2D / 3D switchable

Built in MFX 3D Engine

Format: L/R, T/B, Frame sequential, Interlaced

Support: PAL, NTSC



VFD 024A 24 inch HD camera view finder

Resolution:1920X1200

INPUT: DVI/HDMI

2D / 3D switchable

Built in MFX 3D Engine

Format: L/R, T/B, Frame sequential, Interlaced

Support: PAL, NTSC



VFD 015A 15 inch 3-D camera view finder

Resolution:1280x720

INPUT: DVI/HDMI

2D / 3D switchable

Built in MFX 3D Engine

Format: L/R, T/B, Frame sequential, Interlaced

Support: PAL, NTSC



3-D Camera monitoring CUBE (with 3-D Synchronizer and 3D viewfinder)



3DMNT-007FX 7 inch

Resolution:800x480

INPUT(2CH): DVI/HDMI

2D / 3D switchable

Built in MFX 3D Engine

Side by Side, Top & Bottom, Interlaced, Frame Sequential

480i, 720p, 1080i

Support: PAL, NTSC



3DMNT-015FX 15 inch

Resolution:1280x720

INPUT(2CH): DVI/HDMI

2D / 3D switchable

Built in MFX 3D Engine

Side by Side, Top & Bottom, Interlaced, Frame Sequential

480i, 720p, 1080i

Support: PAL, NTSC



3DMNT-024FX 24 inch

Resolution:1920X1200

INPUT(2CH): DVI/HDMI, Component

2D / 3D switchable

Built in MFX 3D Engine

Side by Side, Top & Bottom, Interlaced, Frame Sequential

480i, 720p, 1080i, 1080p

Support: PAL, NTSC



MIRACUBE 3-D Accesaries

3-D External Formatter


FMT 2200
3-D External formatter

MIRACUBE 22 inch display compatible

One button 2D/3D switching

MFX3D Digital Image processing



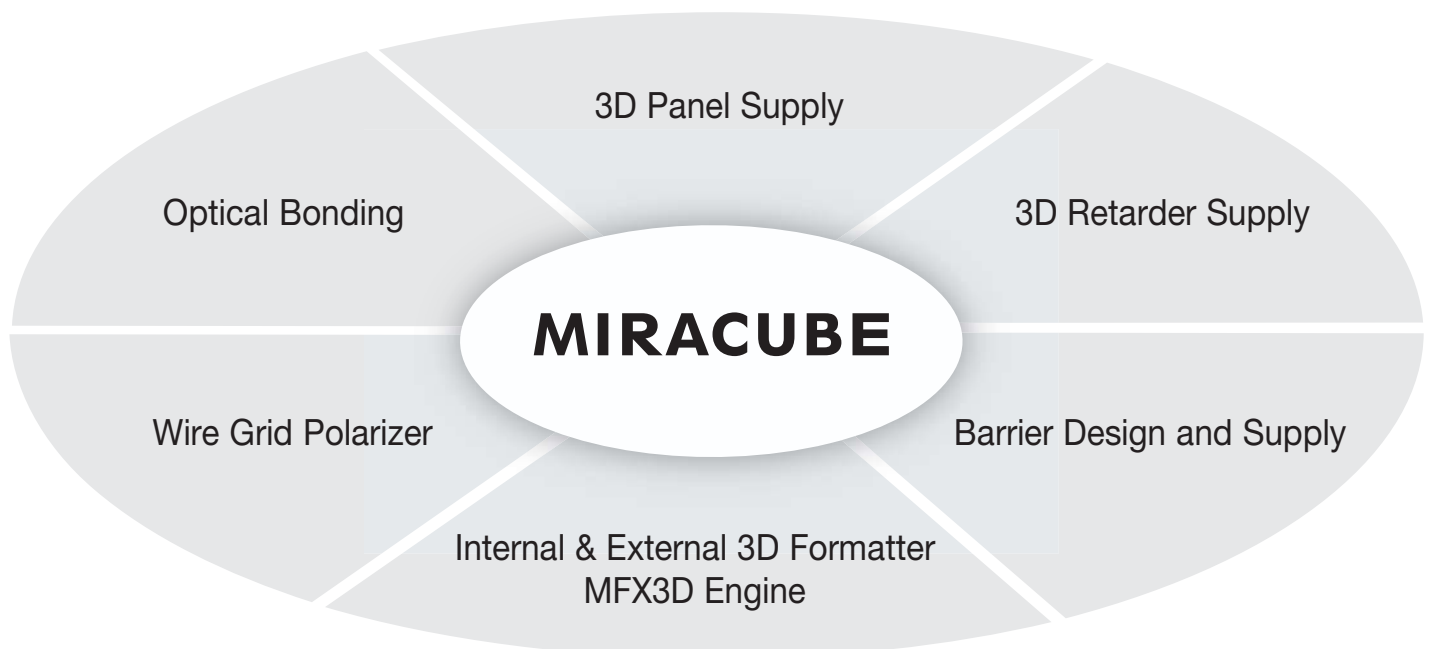
Glasses


3DF100A

3DAO100A

3DG100A


Business Cooperation & Strategic Partnership



Stereoscopic 3-D Muticube Multicube 2X2 & 3X3

Larger & greater 3-D Impact



Stereoscopic 3-D Multicube - Concert, Exhibition, Fashion show and show case

Low energy consumption Miracube 3D LCD panel - Narrow bezel

Wide UXGA(1920x1080pixel)

Metal Matrix case: 2X2 (4 Pieces), 3X3 (9 Pieces)

Front lockable door

8 Port DVI Splitter Installed: DVI Cable connection

Internal system monitoring display



3X3 Multi Cube

3X3 3-D Multicube

World's first & Largest 3-D Multicube



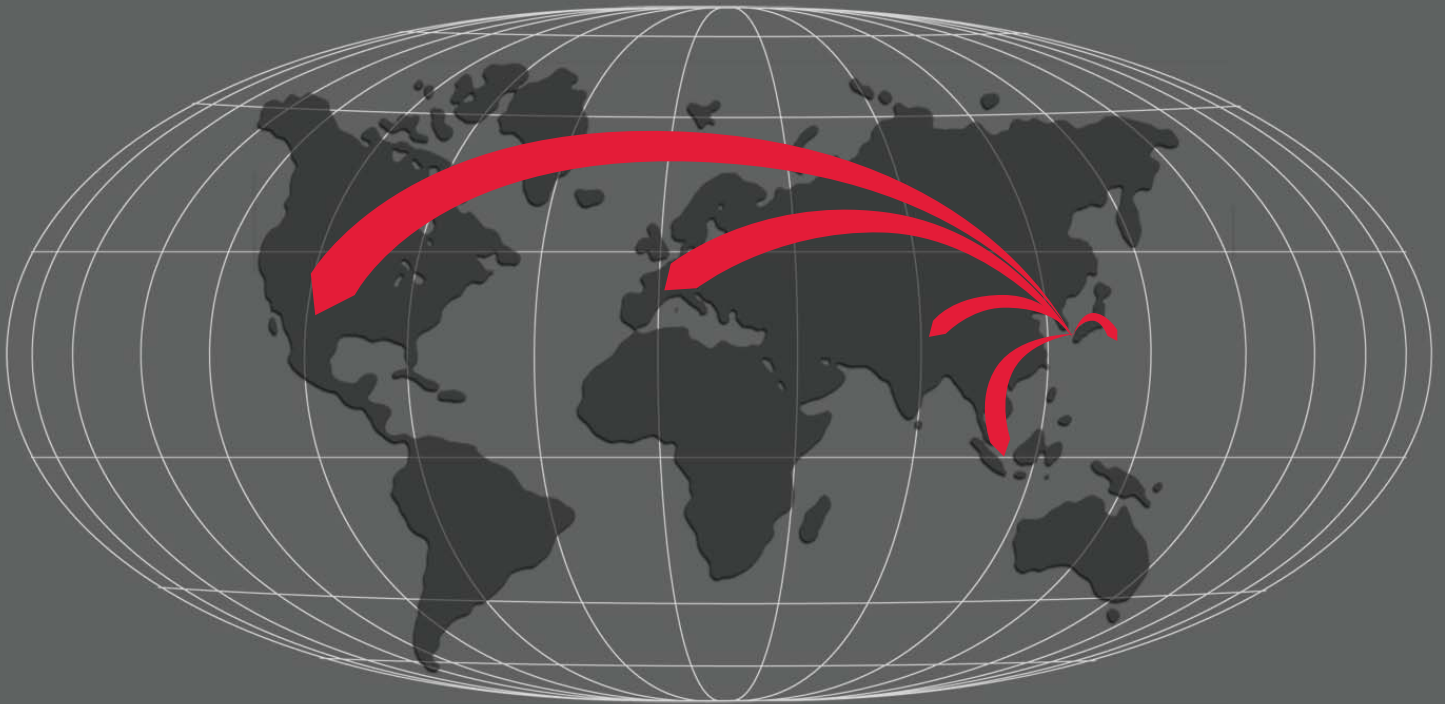
2X2 Multi Cube

2X2 3-D Multicube

Compact and Great Impression



MIRACUBE GLOBAL NETWORK



MIRACUBE Partners

HP Workstation **Inter I Korea, Inc.**

Autodesk Max/Maya **Insung Digital, Co., Ltd.**

Autodesk Showcase/Alias **TIUM SOLUTIONS**

Adobe Premiere Pro **Insung digital, Co., Ltd.**

Dassault 3Dvia Vrttools **SouVR, Inc.**
Thirdeye, Inc.

Wave3D **CG Wave, Inc.**

3D content creation **Monggonamu Studio, Inc.**
Eyebest, Co., Ltd.

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