LED Full Color Outdoor Video Display System



Light Emitting Diodes (LED) as a photonic semiconductor converts electric energy to light energy, to emit visible light photon. (Red/Green/Blue)

Features of Display Systems

- Modularized Design Supporting Standard VGA, NTSC, PAL
- and SECAM Video System
- Input Composite Video, S-Video, VGA
- Real time Self-Diagnostic
- Auto brightens adjustment
- Real 60 Hz flicks free image processor
- · Software for remotely controlling communication and scheduling
- · Optic fiber data transmission



Viewing Distance

As a general rule, we usually recommend a pixel pitch equal to the minimum viewing distance in mm

For an example - a screen intended to be viewed from 10m ~ 15m may use a 10mm ~12.5mm pitch.

Pitch Size Min ~ Max

 Pitch 12.5mm 	= 10 ~ 15 meter
 Pitch 16mm 	= 15 ~ 75 meter
 Pitch 20mm 	= 20 ~ 100 meter
 Pitch 25mm 	= 20 ~ 150 meter
 Pitch 32mm 	= 25 ~ 200 meter
 Pitch 35mm 	= 30 ~ 250meter

Quality Assurance

The full quality assurance program covers concept design, manufacturing, fabrication and technical management database of each product in accordance with ISO 9001 to customer's complete satisfaction.











- Perfect Gamma corrective curve
- · Solarization problem solved
- CRT like LED display
- True Color Reproduction
- · Ultimate Color Accuracy
- Uniform Color
- Dynamic Contrast Enhancement
- Flicker Free Picture Noise Reduction
- · Very smooth image, especially in low brightness area environment

Virtual Pixel

Liat Tower

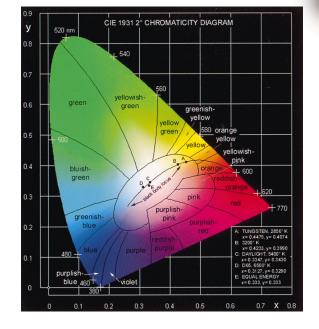
A technology to make each LED shared by surrounding pixels to gets :-

- · Higher resolution by 3 times
- Unique appearance
- The formation of the LEDs layout is different from the normal LED cluster type, because the LED shared technology.
- These techonlogy help to reduce cost for screen with less resolution dots. But still maintain the high virtual image display. Such as 4m x 3m Screen
- It is workable for running Video or Animation image only, but not so much for detail text.



16 Bit

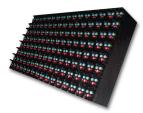




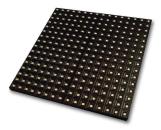
Features of clutters, panels & modules

- UV resistant polycarbonate shell and silicon /epoxy filled cluster panel for outdoor application
- · Easily installed and waterproof module design
- High precision CNC housing design
- Automotive level coating for severe working environment •
- Constant current driving technology to reduce heat generation
- 1% ~ 100% brightness levels adjustment for each R/G/B
- Built-in self test pattern for easy maintenance •
- High efficient power factor design
- CE, UL, ETL approval optional •
- Custom-made design acceptable

SMD Matrix Unit



LED Matrix Unit



3 in 1 SMD Matrix Unit



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Trivision Display System

Manufactured in all possible billboard sizes, CBD eVision's leading three-message sign expands the marketability of high-traffic locations without increasing the number of billboards in the cities. It optimises the advertising site by minimising the investment in structure, illumination and location.







Thai Embassy

Your imagination is the only limit to the shape of signs that we can make. We have already made circular, half-circular, concave, convex, elliptical, square, boxshaped signs... can you think of another form? We can probably do it too!

Mah Showroor



Eminent Plaza

日間

PLAZA





Causeway

AH PTE LTD

NTUC

What CBD Trivision?

It is an outdoor billboard that consists of three-faced prisms which slowly rotate 120 degrees and then pause, before starting a new rotation cycle. CBD Trivision reduces the amount of billboard sites needed. The three faces increase the communication potential, which allows the investment in structure and illumination to be shared between the three messages.

In an industry where location is everything, changeable-message technology is expanding the marketability of high-traffic locations without increasing the number of billboards. Indeed, they offer a more comprehensive, yet economical and effective option. a major advantage for advertisers is the creative options available to them, but advertisers aren't the only beneficiaries. It's a win-win situation all the way around. The community gets better quality signs, and the outdoor companies see greater profit.

The environment, a global and growing issue

Nowadays, it is no longer enough to conduct business in an effective and ethical manner - you also have to show that the environment is on your priority list, that you consider the impact of your product on the environment and that you are truly committed to this issue by showing concrete solutions.

The number of billboards having increased constantly and significantly over the years, the expression "billboard pollution" has become frequently used. Nowadays, fewer and better quality sites is the upward trend. Marketing effort of the contractors have changed and the focus is now on offering more effective sites rather than a great quantity at a lower quality. There is also an increasing sophistication of billboards which translates into, for instance, more sites with illumination, double sided billboards, as well as billboards with clocks, flower beds, park benches, etc. The maintenance of sites is also greatly improving.

CBDflex on the right road

We introduced CBDflex, our variable message sign for road applications. Very quickly, this new product gained popularity to the extent of being used today in major projects. Some of the existing applications are speed limit, road deviation and parking information.









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42-INCH PLASMA DISPLAY MONITOR

High-Resolution, Flat Plasma Monitor Delivering Bright, High-Contrast Picture with Wide Viewing Angle



- Superb Video Picture Quality
- 1500:1 Contrast Ratio
- Super Bright Picture 370 cd/m² (Set)
- 16.77 Million Colours/256 Levels
- Wide Viewing Angle (160 Degrees)
- Wall/Ceiling Mountable
- RS-232C Interface & MAKE Remote
- S-VGA/XGA Compatible
- Various Set-Up Capabilities
- Cooling Fanless

Brighter, Sharper Pictures and Enhanced Flexibility

Contrast Ratio — 1500:1

The GM-P420E comes with sophisticated circuitry that enhances its contrast ratio to 1500:1, making it the leader in its class.

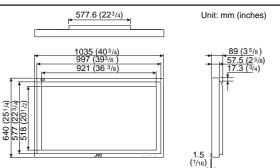
■ Actual Brightness — 370 cd/m² (Set)

Brightness has also received a strong boost compared to conventional levels. Delivering bright pictures of 370 cd/m², the GM-P420E outperforms conventional models.

Fanless

Due to reduced power consumption, a cooling fan is not required, which eliminates noise.

Dimensions



Speaker System (Option)



TS-C4200SPG Slim Wall-Mounted Speaker System					
Specifications					
Rated input	8 W				
Nominal impedance	6 ohms				
Dimensions (W x H x D)	100 mm x 610 mm x 89 mm				
Weight	2.1 kg (each)				

Specifications

DISPLAY PANEL				
Screen size (W x H)	921 mm x 518.4 mm/36-3/8 inches x 20-1/2 inche			
	(wide 42-inch diagonal)			
Aspect ratio	16:9 wide (width-to-height ratio of screen)			
	4:3/16:9 selectable			
Viewing angle	160°			
Display colours	16,777,216 (RGB each of 256 levels)			
Brightness	370 cd/m² (Set)			
Resolution (H x V)	640 x 480 (4:3)			
	853 x 480 (16:9)			
	S-VGA: 800 x 600 (Displayed at 640 x 480)			
	XGA: 1024 x 768 (Displayed at 640 x 480)			
No. of pixels	Horizontal 853 x Vertical 480 pixels			
Display modes				
Regular (4:3)	4:3 video image displayed in centre of screen			
Full/Panoramic (16:9)	Displays wide horizontal expansion of			
	4:3 video image for full-screen display			
Zoom (16:9)	Overall expansion of 4:3 video image for full-			
	screen display (top and bottom of image are cut)			
Input connectors	· · · · ·			
Video A Composite	BNC connectors x 2, 1 V(p-p), 75 ohms negative			
	sync., auto-termination, bridged output possible			
Video B Composite	RCA pin x 1, 1 V(p-p), 75 ohms, negative sync.			
YC	mini-DIN 4 pin x 1			
	Y: 1.0 V(p-p), 75 ohms, negative sync.			
	C: 0.286 V(p-p), 75 ohms (NTSC Burst)			
	0.3 V(p-p), 75 ohms (PAL Burst)			
Component	Y: 1.0 V(p-p), 75 ohms, negative sync., BNC x 1			
	PB/B-Y: 0.7 V(p-p), 75 ohms, BNC x 1			
	PR/R-Y: 0.7 V(p-p), 75 ohms, BNC x 1			
Compatible systems				
Video A, Video B input	NTSC/NTSC 4.43/PAL/PAL60/SECAM			
Component input	480i, 576i, 480p, 720p, 1080i (1035i)			
RGB A	D-sub 15-pin (3-row) x 1 Video signal: 0.7 V(p-p)			
	Sync signal: 1.0 V(p-p) – 5.0 V(p-p), high impedance			
RGB B	BNC x 5			
	R/B: 0.7 V(p-p), 75 ohms			
	G: 0.7 V(p-p), 75 ohms, Sync. On G: 1.0 V(p-p)			
	HD/CS: 0.3 V - 5.0 V(p-p), high impedance			
	VD: 1.0 V - 5.0 V(p-p), high impedance			
Audio input	Video A: RCA pin x 2 (L/R) 500 mVrms			
	Video B: RCA pin x 2 (L/R) 500 mVrms			
	Component: RCA pin x 2 (L/R) 500 mVrms			
	PC: Stereo mini jack terminal x 1 (L/R) 500 mVrms			
Weight	32.3 kg			
GENERAL	5			
Power requirement	230 V AC, 50Hz/60 Hz			
Power consumption	290 W			
Audio power output	Speaker out: 6 ohms to 16 ohms			
· · · · · · · · · · · · · · · · · · ·	3 W + 3 W (TYP at impedance 6 ohms)			
Audio out terminals	Pin jack terminal x 2 (L/R) output impedance			
	600 ohms			
Operating environment conditions	000 01113			
Temperature range	0°C to +40°C (32°F to 104°F)			
Humidity range	20% to 80%, non condensation			
numially range	20 /0 to 00 /0, HOH COHUCHSation			

Optional Accessories



Dimensions (W x H x D):



TS-C420P4W Stand Unit (Vertical Position) Stand Unit (Horizontal Position) Dimensions (W x H x D): 700 mm x 384.6 mm x 452 mm 500 mm x 607.2 mm x 700 mm



TS-C420P2W (Portrait Setting) Wall Mounting Unit Mounting Angle: 0°, 5°, 10°, 15° Dimensions (W x H x D): 494 mm x 529 mm x 47 mm³

*At the mounting angle 0°.

TS-C420P3W TS-C420P7W **Ceiling Suspension Unit** Stand Unit Dimensions (W x H x D): Mounting Angle: 0°, 10°, 20° Dimensions (W x H x D) 574 mm x 226 mm x 330 mm 570 mm x 450 mm x 165 mm*

> TS-C01FANG Cooling Fan Unit Dimensions (W x H x D): 174 mm x 33 mm x 160 mm (not including cable)



TS-C420P6W Wall Mounting Unit Mounting Angle: 09 Dimensions (W x H x D): 570 mm x 576 mm x 47 mm*

TS-C420P8W (Landscape Setting) Wall Mounting Unit

Mounting Angle: 0°, 5°, 10°, 15° Dimensions (W x H x D): 610 mm x 520 mm x 50 mm*

Caution: PDP is an ultra modern electronic device fabricated using leading-edge technology. Therefore, its effective picture elements are 99.99 percent or more, meaning 0.01 percent or less defective elements or "always ON" portion could exist. Screen burn-in: Like a CRT, PDP uses phosphor; therefore, burn-in could result from long-term use such as displaying the same still picture.



DISTRIBUTED BY

Design and specifications subject to change without notice.

SPECTRUM LED Multi-Line System

CBD eVision LED Multiline Display System is designed to improve customer or employee communications. In busy reception area, hotels, lift lobby and clubs, frequently changing information needs to be displayed to visitors. In more public areas like Airports, Bus and Railway Terminals, constantly changing passenger information has to be clearly understood.

In factories, offices and warehouses effective communication with employees is vital. Process or production control information can be clearly displayed and automatically up-dated.

CDB eVision LED Multiline Display System versatility enables users to have a system to suit their particular needs. It provides the ability to transmit vital information to an entire factory, plant or any office or industrial sites, from one central computer, by direct or modem links, which means a fast, reliable solution to any communication problem.

CBD eVision LED Multiline Display System displays are simple to use, can be instantly up-dated and require virtually no maintenance. The system can be expanded by adding additional modules to the single cable network without changing the software.

By utilising high quality light emitting diodes (LEDs) in 4 different character height size - 18mm, 30mm, 50mm, 100mm and 3 different colors - Red or Green or Amber are available. By choosing the right combination, CBD eVision LED Multiline can be tailored to suit most color and viewing distance requirements between 5 metres ~ 50 metres.





Shaw Organisation









Shangri-La Hotel



Singapore Expo



Marina Mandarin Hotel



AirForce School

ITE - Yishun



Technical Specification

- Modular Design for ease maintenance and upgradeable.
- Battery backup for memory upon power failure up to 60 Days.
- Memory : 225pages
- With scheduler program
- Message mode: shift, scroll, flashing, bold, upper and lower case, etc.
- User friendly menu driven software
- Power input : 230v
- · Able to transmit message to single sign or multi signs.
- Interface: Rs232 or Rs485
- Character height: 18mm, 30mm, 50mm, 100mm
- Indoor Use, Semi-Outdoor Use, Fully Outdoor Use.

Construction

The case is constructed from high grade aluminum extrusion with an aluminum back panel. The back panel has built-in LED Modules, Switching Power units, Main board, and communication ports. The standard model is design for surface wall mount only. Other design of cabinet is available with additional cost. The standard design cabinet is for surface wall mount, black color aluminum housing.

Each LED Multiline display is consists of LED module, Logic Controller, Switching Power Unit. The LED Module is a range of standard sizes as well as larger displays custom built to special order.

Completing the construction, is an anti-reflective screen, which gives a high definition to the characters. The screen is easily removed to give access for cleaning.

List of Models

Model	No of line	No of Characters	Character height
CBD-12L-30C-30mm	12	30	30mm
CBD-09L-30C-30mm	9	30	30mm
CBD-06L-30C-30mm	6	30	30mm
CBD-09L-20C-30mm	9	20	30mm
CBD-06L-20C-30mm	6	20	30mm



Suntec City



Ministry of Education



Marina Square Mall



CBD eVision Pte Ltd

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LED Moving Message Information & Ticker Display

LED Moving Message

Technical Specification

- LED Character Height available: 30mm, 50mm, 100mm
- Number of Character per line: 10, 15, 25, 30, 40, 50
- Number of Line: Single or Double
- Languages available: English, Malay, Chinese, Japanese
- Indoor or Semi-Outdoor or Fully Outdoor Use
- Surface Wall Mount, Ceiling hanging or Custom design
- Wired or Wireless keypad operation
- Built-in Rs232 port
- Display mode: Speeds control, Flashing, Appear. Wipe, Roll, Jump, Shoot character (one by one) Lower & Upper case, built-in graphics, Shift
- LED Color: Single color Red, Tri-color: Red/Yellow/Green
- Proven quality marketed for 15 years

LED Indoor & Outdoor Ticker Display

Technical Specification

- LED Character Height available: 50mm, 100mm, 300mm, 500mm & special size
- LED Color: Single color Red or Green or Amber or Tri-color
- Indoor or Outdoor Use
- · Length: Custom design
- Input data: direct from PC or life-feed from Bloomberg, Reuter
- Auto brightness Sensor
- Languages: English, Malay, Simplified Chinese







Fashion Show



Capital Square







Reception Counter





CBD - LED-RED COLOR MOVING MOVING MESSAGE DISPLAY

MODEL	NO. OF LINE	NO. OF CHARACTER PER LINE	CHARACTER HEIGHT	RESOLUTION DOTS	DISPLAY AREA	CABINET DIMENSION
210BHR	1	10	50mm	7 x 60	50 x 460mm	110 x 530 x 50mm
215BHR	1	15	50mm	7 x 90	50 x 690mm	110 x 760 x 50mm
220BHR	1	20	50mm	7 x 120	50 x 920mm	110 x 1000 x 50mm
230BHR	1	30	50mm	7 x 180	50 x 1370mm	110 x 1450 x 50mm
240BHR	1	40	50mm	7 x 240	50 x 1830mm	110x 1910 x 50mm
410BHR	1	10	100mm	7 x 60	100 x 920mm	190 x 1000 x 50mm
415BHR	1	15	100mm	7 x 90	100 x 1380mm	190 x 1450 x 50mm
420BHR	1	20	100mm	7 x 120	100 x 1840mm	190 x 1900 x 50mm
2-115BHR	2	15	30mm	16 x 90	75 x 430mm	160 x 480 x 50mm
2-130BHR	2	30	30mm	16 x 180	75 x 850mm	160 x 900 x 50mm
2-215BHR	2	15	50mm	16 x 90	120 x 690mm	210 x 770 x 50mm
2-220BHR	2	20	50mm	16 x 120	120 x 910mm	210 x 1000 x 50mm
2-230BHR	2	30	50mm	16 x 180	120 x 1370mm	210 x 1450 x 50mm
2-240BHR	2	40	50mm	16 x 240	120 x 1820mm	210 x 1900 x 50mm
2-410BHR	2	10	100mm	16 x 60	240 x 920mm	320 x 1000 x 60mm
2-420BHR	2	20	100mm	16 x 120	240 x 720mm	320 x 1900 x 60mm
2-430BHR	2	30	100mm	16 x 180	240 x 2750mm	320 x 3000 x 60mm
2-440BHR	2	40	100mm	16 x 240	240 x 3660mm	320 x 4000 x 60mm

CBD - LED-TRI-COLOR MOVING MOVING MESSAGE DISPLAY

MODEL	NO. OF LINE	NO. OF CHARACTER PER LINE	CHARACTER HEIGHT	RESOLUTION DOTS	DISPLAY AREA	CABINET DIMENSION
220BHM	1	20	50mm	7 x 120	50 x 920mm	140 x 1000 x 50mm
230BHM	1	30	50mm	7 x 120	50 x 1370mm	140 x 1450 x 50mm
240BHM	1	40	50mm	7 x 240	50 x 1830mm	140 x 1910 x 50mm
2-220BHM	2	20	50mm	16 x 120	120 x 910mm	250 x 1000 x 50mm
2-230BHM	2	30	50mm	16 x 180	120 x 1370mm	250 x 1450 x 50mm
2-240BHM	2	40	50mm	16 x 240	120 x 1820mm	250 x 1900 x 50mm

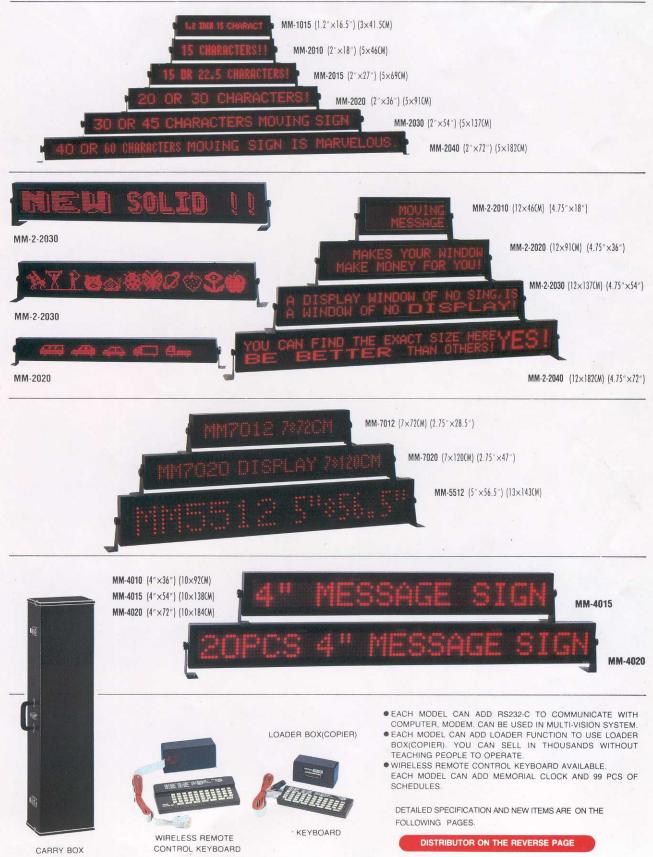


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THIS IS THE EXACT SIZE YOU NEED!

21ST CENTURY SIGNBOARD!

NEW COMMUNICATION!





- EACH CHARACTER HAS 29 KINDS OF COLOR COMBINATION.
- THREE-DIMENSION SOLID CHARACTER.
- WITH RS232-C TO COMMUNICATE WITH COMPUTER, MODEM. CAN BE USED IN MULTI-VISION SYSTEM.
- LOADER BOX (COPIER) AVAILABLE. YOU CAN SELL IN THOUSANDS WITHOUT TEACHING PEOPLE TO OPERATE.
- WIRELESS REMOTE CONTROL KEYBOARD AVAILABLE.
- MEMORIAL CLOCK AND 99 PCS OF TIME SCHEDULE.
- MOST POWERFUL FUNCTIONS, MORE THEN 100 KINDS OF PATTERNS.

- Farben (jeder Buchstabe hat 29 Farbkombinationsmöglichkeiten)
- · Echte (dreidimensionale) Buchstaben.
- Dupliziervorrichtung erhältlich; Sie können tausende kopieren, ohne das Personal dafür zu schulen.
- · Variable Grössen, mehr Auswahl, mehr Absatz
- Speicher f
 ür 12,288 Buchstaben
- Drahtloses Programmiergerät erhältich
- Sehr leistungsfähige Funktionen
- Signal-und Zeitkontrolle erhältich
- Spezialprogramme für spezielle Branchen erhältlich

Detaillierte Angaben auf separaten Blättern

Rotating street furniture

Is display advertising an important business for you? A business that you take 100% seriously?

That means that your advertisement needs to meet a number of strict requirements. 1. Your company and/or its products have to be able to use advertising to distinguish your product from those of your competitors. 2. The campaign must give your company the right image. 3. The message should be taken in by your target group and, preferably ... 4. Induce a positive change in their attitudes.

In short, an advertisement needs one thing above all; to bring in more money than was invested in it. And that can only happen if your advertisement is seen in the first place. **We at Postermatic** are already well aware that "THE ART IS TO BE SEEN". Being seen, being noticed, standing out: that, ahead of all else, is the message.

Postermatic has a long background in developing advertising signs that meet the tough requirements for modern display advertising. Rotating street furniture of all types and sizes, with guaranteed high draw potential. Giving every advertising message what it has a right to: full attention!

In addition all Postermatic equipment can carry at least 6 messages. That means that a maximum of advertising space can be obtained from a minimum actual size.



Master/Slave Clock System

We won't let you fall behind!

