

# ARTICULIGHT

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## LED SERIES

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### MEGA VIP 256™ Modular LED Screen



ADVERTISING \* PROMOTION \* ARCHITECTURAL

DISPLAY \* ENTERTAINMENT \* RETAIL \* SIGNAGE

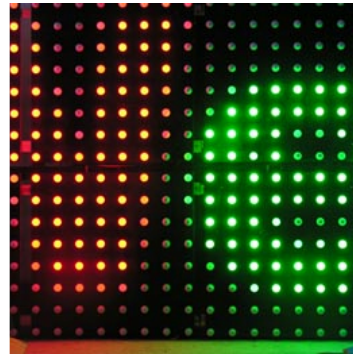


Aptly named the MEGA VIP 256™, is a newly developed system of LED pixel screens that creates new possibilities for LED screens with ease of simplicity and cost effectiveness. Each screen is comprised of 16 x 16 LED CLUSTERS with each LED CLUSTER representing a single pixel in so that the MEGA VIP 256™, acts as an extension to your PC monitor. Each LED CLUSTER contains 6 red, 6 blue and 6 green LEDs giving out a

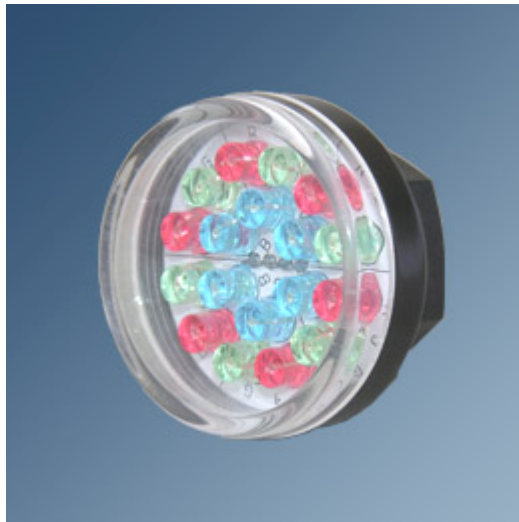
high light output at each pixel. The system enables an independent control of red, blue and green LEDs resulting in almost limitless RGB color mixing. Total and precise color calibration of each pixel is designed to achieve a perfect color harmonization of the entire panel. Display video, animation images, flash files, text or any format that can be displayed on your PC.

The MEGA VIP 256™, is a 1006 x 1006 X 115 mm modular LED panel designed for multi application (Patent Pending). Owing to its innovative concept, MEGA VIP 256™ is perfectly suitable for advertising and promotion, TV Studios, conventions, stadiums, theme parks as well as architectural, retail, display, signage and entertainment applications. The exclusively 120° angle image diffusion system of MEGA VIP 256™ allows for a wider angle vision of the screen. The system's resolution allows displays up to 32 x 16 meter spread over a total of 512 square meters or even up to 32 x 32 meter spread over a total of 1024 square meters depending on the extra drivers added. MEGA VIP 256™'s control system can operate each individual panel as a portion of the standard video screen.

The TOP STUDIO™ software allows the user to create a program using a sequence of files, displaying them independently, one after the other or simultaneously. For quick live control of the MEGA VIP 256™, simply click and drag the display area on the PC over the area that you wish to display



#### TECHNICAL DATA



LED CLUSTER MODULE

OPTICS	- Diffusion filter fitted between the two tempered glasses to cover the whole glass-surface - Viewing angle: 120°
SOURCE	- Each LED Cluster: 6 red, 6 blue , 6 green - Each LED: 0.08 W - 1 M x 1 M = 16 x 16 LED Clusters = 256 - 256 x 18 = 4,608 LED in 1 square meter - Life time (50% brightness): 50,000-100,000 Hours
IMAGE	- Maximum resolution: 512 x 256 pixels - Maximum screen dimension: 32 M x 16 M (can be doubled to 32 M x 32 M by adding a driver) - Maximum screen surface: 512 square meters (can be doubled to 1024 square meters by adding a driver)
POWER SUPPLY	- 110 to 240 Volts - 50-60 Hz - Other electrical requirements are available upon request
COOLING SYSTEM	- Natural air-flow
HOUSING	- Construction: aluminum casing - IP 33 protection rating - Exterior finish: black
INSTALLATION	Floor -mounting - truss Wall-mounting - steel mounting bracket Ceiling-mounting - hanging from steel loops
CONFORMITY	- CE - UE (EMC): EN 50081-1, EN 50082-1 - UE (Electrical safety): EN 60598-1, EN 60598-2-17
DIMENSIONS	1006 x 1006 x 115 mm
WEIGHT	35 kgs
OPERATING PARAMETERS	- Working position: floor, wall and ceiling - Maximum ambient temperature (Ta): 40°C (104°F) - Maximum ambient humidity: 75%

GRAY SCALE	RED/GREEN/BLUE 256 GRADE (8 BIT)
COLORS	- 256 X 256 X 256; 16.7 MILLION
SUPPORTS DISPLAY	640 X 480 800 X 600 1024 X 768
SUPPORTS DISPLAY CARD	DVI CONNECTOR DISPLAY CARD
INTERFACE CARDS (1 SET)	1 PC DATA COLLECTION CARD; 2 PCS DISPLAY DRIVER CARD
RANGE	1024 X 512
DIMMER	HARDWARE 16 GRADE; SOFTWARE 256 GRADE
FREQUENCY	16 MHZ, 12 MHZ, 8 MHZ (ADJUSTABLE)
SWEEPING FREQUENCY	>90 HZ
SCAN MODE	8 ROWS/AREA
OUTPUT PORT	2 X 50
SIGNAL CABLE	5 CORE NET CABLE
MAXIMUM SIGNAL	HIGH SPEED >100 M (NO BREAKS)

TRANSMISSION DISTANCE	
COMMON POWER	+5 V
SOFTWARE AND HARDWARE FACILITIES	<ul style="list-style-type: none"> <li>- 1 RECEIVER HAS 16 OUTPUT SIGNALS (j1 - j16)</li> <li>- 1 OUTPUT SIGNAL CAN CONTROL 4 DRIVERS</li> <li>- 1 DRIVER CAN CONTROL 32 LED CLUSTERS</li> </ul>

TOP STUDIO™ CONTROLLER:

INTELLIGENT TRACKER	USE THE MOUSE TO SELECT AND LOCK AREA OF MEGA VIP 256
USER FRIENDLY	SOFTWARE ALLOWS THE USER TO OPERATE ALL FUNCTIONS FROM THE OPERATING WINDOWS OF THE TOP STUDIO
MULTIMEDIA	THE SOFTWARE ALLOWS THE USER TO DISPLAY A WIDE RANGE OF DIFFERENT PICTURE, ANIMATION, VIDEO, TEXT AND OTHER GRAPHIC FORMATS ( INCLUDE BMP, JPG, GIF, PCX, MPG, MPEG, MPV, MPA, AVI, VCD, SWF, RM, RA, RMJ, ASF...
SYSTEM CARD CONNECTIONS	<ul style="list-style-type: none"> <li>- DIRECT DVI INPUT- MULTIMEDIA CARD IS NOT NECESSARY</li> <li>- SINGLE NET CARD- TRANSMITTING FULL COLOR 1024 X 512</li> <li>- OVERLOAD CAPABILITY- TRANSMITTER (1024 X 512) RECEIVER (128 X 256)</li> <li>- UNIVERSAL CAPABILITY- TRANSMITTERS ARE UNIVERSAL WITH ALL RECEIVERS</li> <li>- MULTI-APPLICATION CARD- CONTROL CARD IS COMPATIBLE WITH SOFTWARE PROGRAMS OR EXTERNAL SOFTWARE PROGRAMS</li> <li>- LONG RANG TRANSMISSION- HIGH SPEED DATA TRANSMISSION ALLOWS THE USER TO CONTROL THE MEGA VIP 256 FROM DISTANCE OF OVER 100 M (FACTORY TESTED AT 130 M).</li> </ul>

DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.