



## VSI DIRECT VIEW LED WALL

VSI's quality SMD LED WALL is a combination of accuracy, durability, consistency, and reliability, will provide reliable and consistent performance.

Design of the VSI LED cabinet make installation and maintenance easy and fast. transmission enables LED display to enhance system efficiency, and meanwhile lower down the wiring difficulty by reducing the number of cables and devices to improve display stability. 75mm thin cabinet with 6.5kg lightweight only greatly saves steel structure, transport expenses, and installation costs.

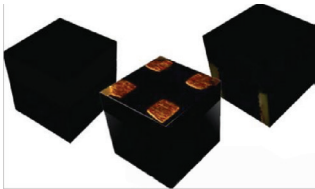
- High flatness of die-cast aluminum case
- High refresh rate and high gray scale
- Black-light lamp and high contrast ratio
- No fan and Low noise
- Seamless splicing and quick installation



# PRODUCT'S QUALITY COMPONENTS

## LED LIGHT

LED lights packaged with high-grade wafers produced by the world-renowned manufacturer are adopted, and multiple choices are provided for customers. Meanwhile, the service life and display quality of the display screen are fully guaranteed.



SMD full color 1515 series:  
All-black case

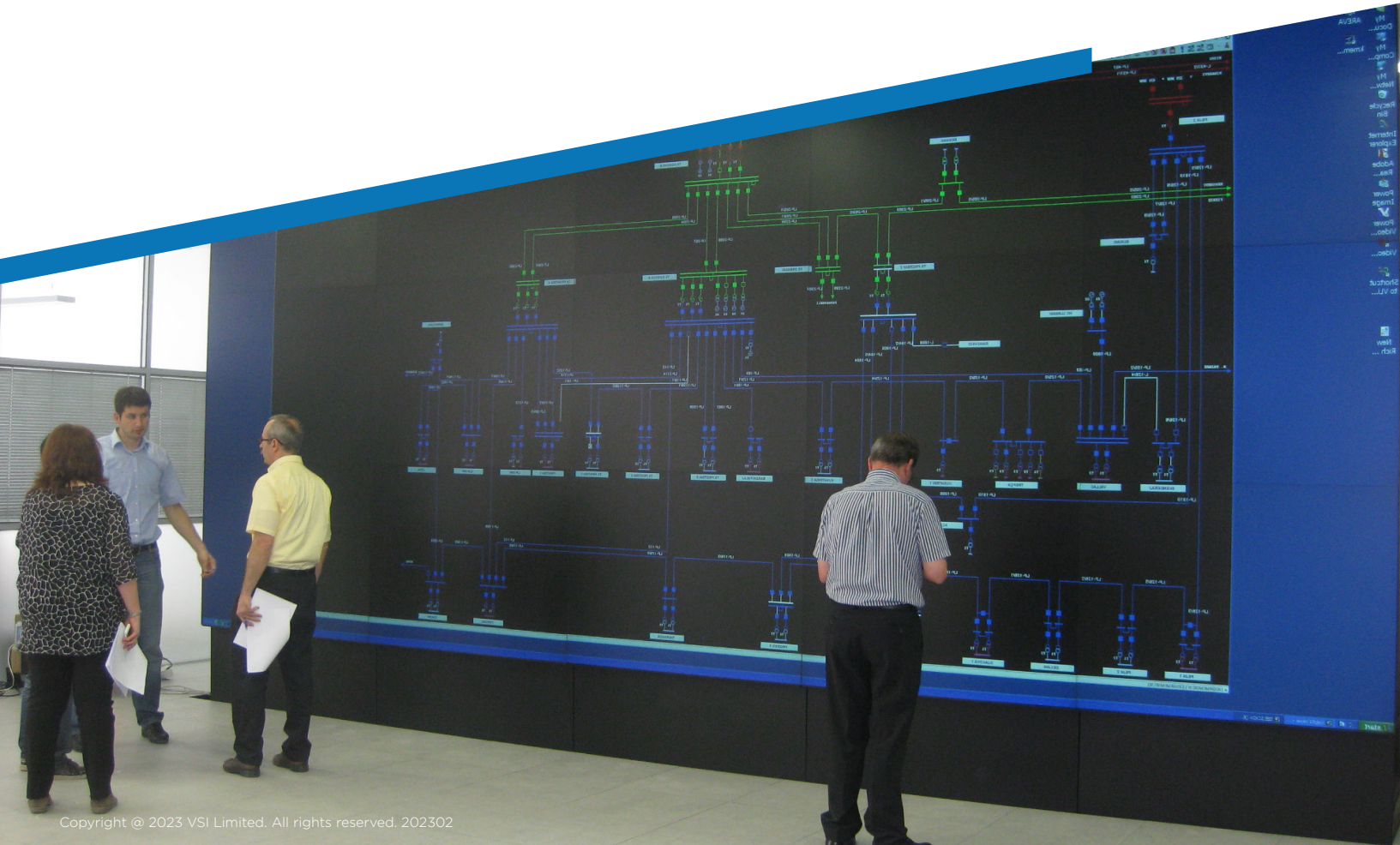
## DRIVER IC

High refresh rate and high gray scale constant current driver IC produced by the world-renowned top manufacturer is adopted. With excellent driving performance, it is stable and reliable.

## PCB BOARD

Multilayer circuit design is adopted, to guarantee uniform panel current distribution. It has good heat dissipation performance, and can prevent color lumps under low gray scale and enhance the ability of resisting electromagnetic interference.

High-quality manufacturers are chosen for the board: Sytech and King Board (KB)





# PRODUCT'S QUALITY COMPONENTS

## CONNECTOR

High-quality 3U gold plated connector is adopted, and there is no cable arrangement in the case; it is stable and reliable.

## DRIVE AND CONTROL

Each module is controlled with an independent control card, showing higher integration level, stronger stability, better display effect and higher refresh rate; 14BIT high gray scale and high refresh rate constant current driver IC is applied, and the special blanking circuit can protect the LED and prevent sudden electric leakage. Multipath redundant backup is supported; point-by-point chromaticity correction is realized for the modules; dual backup is achieved for the power source.



# TECHNICAL SPECIFICATIONS

VLED-P09S		Parameter
BASIC PARAMETER	Pixel Pitch	0.9375mm
	Pixel Structure	1R1G1B
	Pixel Density	1137,777/m <sup>2</sup>
	Module Resolution	320(W)*180(H)
	Module Size	300mm*168.75mm*15mm
	Case Size	600mm*337.5mm*75mm
	Case Weight	6.5Kg
OPTICAL PARAMETER	Single-point Brightness and Chroma Emendation	Yes
	Brightness of White Balance	≥600cd/m <sup>2</sup>
	Color Temperature	3,200 K - 9,300 K adjustable
	Horizontal View Angle	≥170°
	Vertical View Angle	≥170°
	Uniformity of Brightness	≥97%
	Contrast Ratio	≥6,000:1
PROCESSING PERFORMANCE	Signal Processing Digit	16 digits * 3
	Gray Scale	65,536
	Control Distance	Cable: 100 m; Optical fiber: 10 km.
	Drive Mode	High gray scale constant current source driver IC
	Frame Frequency	≥60HZ
	Refresh Rate	≥3,840HZ
	Control Mode	Synchronous
	Brightness Adjustment Range	0-100 stepless adjustment
OPERATION PARAMETER	Continuous Operating Hours	≥72 hours
	Typical Life Values	50,000 hours
	Operating Temperature Range	-20°C to 50°C
	Operating Humidity Range	10 % - 80% RH no condensation
	Storage Temperature Range	-20°C to 60°C
ELECTRIC PARAMETER	Operating Voltage	DC: 4.2-5V
	Power Supply Requirement	AC: 220×(1±10%) V, 50×(1±5%)Hz
	Max Power Consumption	680 W/m <sup>2</sup>
	Average Power Consumption	270 W/m <sup>2</sup>

# TECHNICAL SPECIFICATIONS

VLED-P12S		Parameter
BASIC PARAMETER	Pixel Pitch	1.25mm
	Pixel Structure	1R1G1B
	Pixel Density	640,000/m2
	Module Resolution	240(W)*135(H)
	Module Size	300mm*168.75mm*15mm
	Case Size	600mm*337.5mm*75mm
	Case Weight	6.5Kg
OPTICAL PARAMETER	Single-point Brightness and Chroma Emendation	Yes
	Brightness of White Balance	≥600cd/m2
	Color Temperature	3,200 K - 9,300 K adjustable
	Horizontal View Angle	≥140°
	Vertical View Angle	≥120°
	Viewing Distance	≥3 m
	Uniformity of Brightness	≥97%
	Contrast Ratio	≥3,000:1
PROCESSING PERFORMANCE	Signal Processing Digit	16 digits * 3
	Gray Scale	65,536
	Control Distance	Cable: 100 m; Optical fiber: 10 km.
	Drive Mode	High gray scale constant current source driver IC
	Frame Frequency	≥60HZ
	Refresh Rate	≥3,840HZ
	Control Mode	Synchronous
	Brightness Adjustment Range	0-100 stepless adjustment
OPERATION PARAMETER	Continuous Operating Hours	≥72 hours
	Typical Life Values	50,000 hours
	Protection Grade	IP20
	Operating Temperature Range	-20°C to 50°C
	Operating Humidity Range	10 %- 80% RH no condensation
	Storage Temperature Range	-20°C to 60°C
ELECTRIC PARAMETER	Operating Voltage	DC: 4.2-5V
	Power Supply Requirement	AC: 220×(1±10%) V, 50×(1±5%)Hz
	Max Power Consumption	680 W/m2
	Average Power Consumption	270 W/m2

# TECHNICAL SPECIFICATIONS

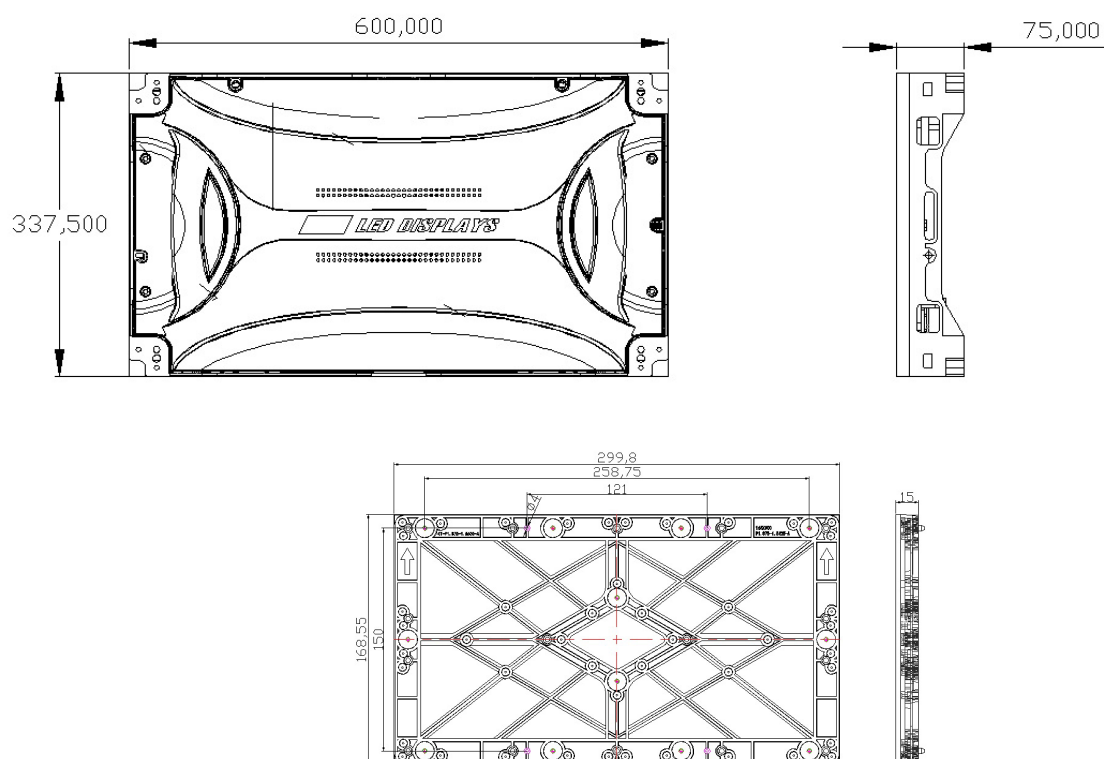
VLED-P15S		Parameter
BASIC PARAMETER	Pixel Pitch	1.5625mm
	Pixel Structure	1R1G1B
	Pixel Density	409,600/m2
	Module Resolution	192(W)*108(H)
	Module Size	300mm*168.75mm*15mm
	Case Size	600mm*337.5mm*75mm
	Case Weight	6.5Kg
OPTICAL PARAMETER	Single-point Brightness and Chroma Emendation	Yes
	Brightness of White Balance	≥600cd/m2
	Color Temperature	3,200K—9,300K adjustable
	Horizontal View Angle	≥140°
	Vertical View Angle	≥120°
	Viewing Distance	≥3 m
	Uniformity of Brightness	≥97%
	Contrast Ratio	≥3000:1
PROCESSING PERFORMANCE	Signal Processing Digit	16 digits * 3
	Gray Scale	65,536
	Control Distance	Cable: 100 m; Optical fiber: 10 km.
	Drive Mode	High gray scale constant current source driver IC
	Frame Frequency	≥60HZ
	Refresh Rate	≥3,840HZ
	Control Mode	Synchronous
	Brightness Adjustment Range	0-100 stepless adjustment
OPERATION PARAMETER	Continuous Operating Hours	≥72 hours
	Typical Life Values	50,000 hours
	Protection Grade	IP20
	Operating Temperature Range	-20 °C to 50°C
	Operating Humidity Range	10 %- 80% RH no condensation
	Storage Temperature Range	-20 °C to 60°C
ELECTRIC PARAMETER	Operating Voltage	DC: 4.2-5V
	Power Supply Requirement	AC: 220×(1±10%) V, 50×(1±5%)Hz
	Max Power Consumption	680 W/m2
	Average Power Consumption	270 W/m2

# TECHNICAL SPECIFICATIONS

VLED-P18S		Parameter
BASIC PARAMETER	Pixel Pitch	1.875mm
	Pixel Structure	1R1G1B
	Pixel Density	284,089/m2
	Module Resolution	160(W)*90(H)
	Module Size	300mm*168.75mm*15mm
	Case Size	600mm*337.5mm*75mm
	Case Weight	6.5Kg
OPTICAL PARAMETER	Single-point Brightness and Chroma Emendation	Yes
	Brightness of White Balance	≥600cd/m2
	Color Temperature	3,200 K - 9,300 K adjustable
	Horizontal View Angle	≥140°
	Vertical View Angle	≥120°
	Viewing Distance	≥3 m
	Uniformity of Brightness	≥97%
	Contrast Ratio	≥3,000:1
PROCESSING PERFORMANCE	Signal Processing Digit	16 digits * 3
	Gray Scale	65,536
	Control Distance	Cable: 100 m; Optical fiber: 10 km.
	Drive Mode	High gray scale constant current source driver IC
	Frame Frequency	≥60HZ
	Refresh Rate	≥3,840HZ
	Control Mode	Synchronous
	Brightness Adjustment Range	0-100 stepless adjustment
OPERATION PARAMETER	Continuous Operating Hours	≥72 hours
	Typical Life Values	50,000 hours
	Protection Grade	IP20
	Operating Temperature Range	-20°C to 50°C
	Operating Humidity Range	10 %- 80% RH no condensation
	Storage Temperature Range	-20°C to 60°C
ELECTRIC PARAMETER	Operating Voltage	DC:4.2-5V
	Power Supply Requirement	AC: 220×(1±10%) V, 50×(1±5%)Hz
	Max Power Consumption	680 W/m2
	Average Power Consumption	270 W/m2



# PRODUCT DIMENSIONS



Notes: Our company will continue to upgrade and improve the existing products. If there is any specification change, extra notice will be issued. The right of interpretation for the specification, model and technical indexes of this product is reserved by our company.

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