

Commercial Indoor Fixed Display Solution

E Pro Series



PIXEL PITCH 1.9/2.6/2.9/3.9 (mm)

Product Features

01

Fast And Easy Maintenance

- Compatible panel size with multiply pixel pitches
- Fast lock design makes installation faster and easier
- Visualized back cover design, tool-free maintenance
- Power supply & receiving card & HUB card maintenance without tool
- Module front or back service

02

Excellent Visual Performance

- High refresh rate
- High grayscale
- Wide viewing angle
- Calibration technology available
- Intelligent Module



03

Various Installation Methods & Accessories

- Flat mounting or embedded installation
- Stack or back structure installation
- Kinds of universal accessories for options
- Recycling paper or wooden box packing, environmental-friendly

04

Hot Dual Backup For Signal

- Data input and output redundancy Design
- Current sharing backup design
- Electromagnetic compatibility and protection
- Dual receiving card design

Easy Installation And Maintenance



Easy Maintenance

- Dual service with front and rear maintenance design makes LED panel can be assemble and disassemble easily.
- Visualized back cover design, tools free
- Power supply & receiving card & HUB card maintenance without tool

Fast Installation

- Front or back service to power system
- Plug in-out design to release power supply
- Fast lock designed for installing LED panel quickly and easily.



Back Service W&O Tool



Patented Side Lock



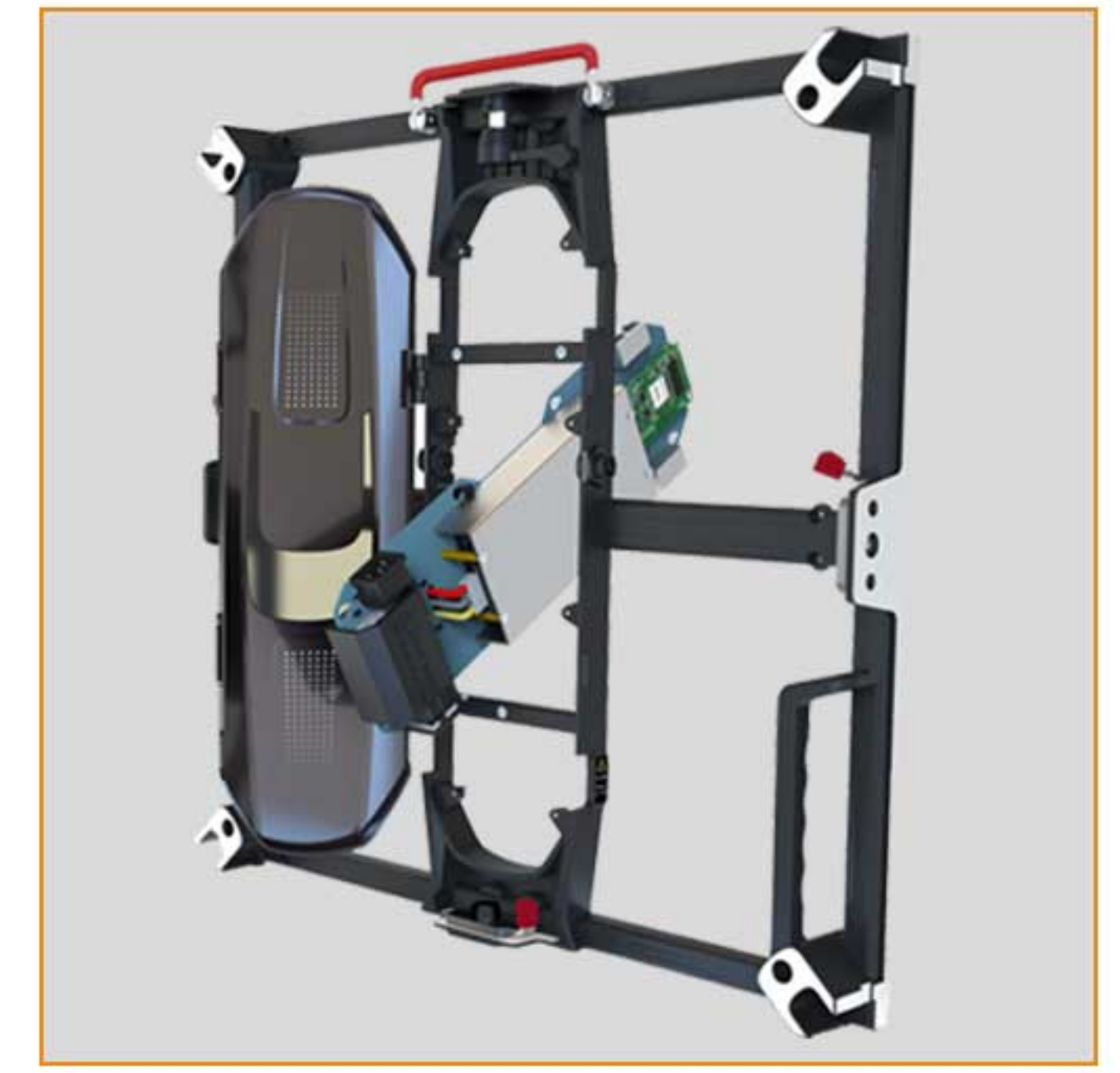
Visualized Back Cover



Module Front Service



Module Back Service



Integrated HUB Maintenance W&O Tool

Hot Dual Backup For Signals

Dual Backup Is Stable And Reliable

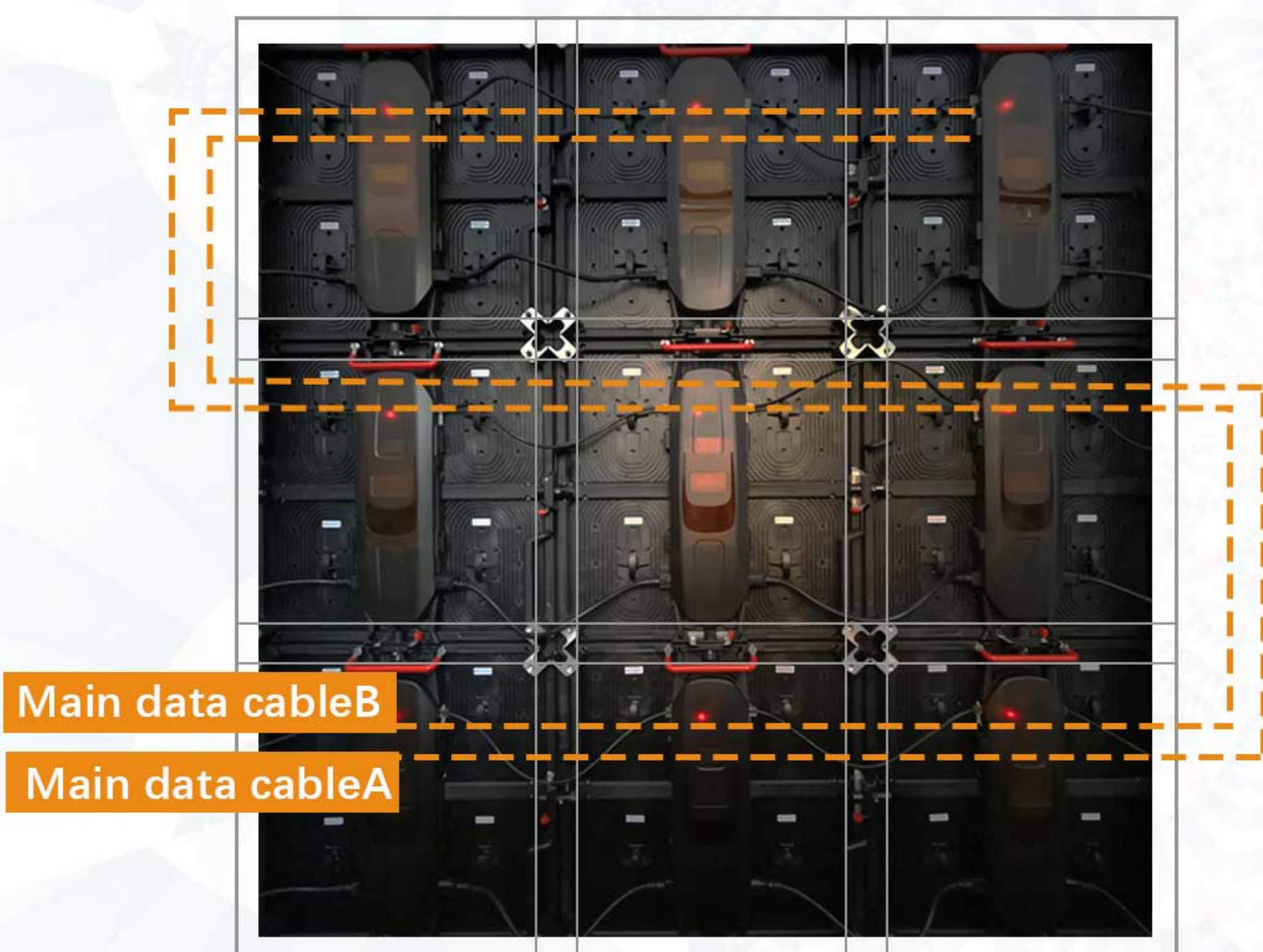


- Data input and output redundancy Design
- Current sharing backup design
- Electromagnetic compatibility and protection
- Dual receiving card design

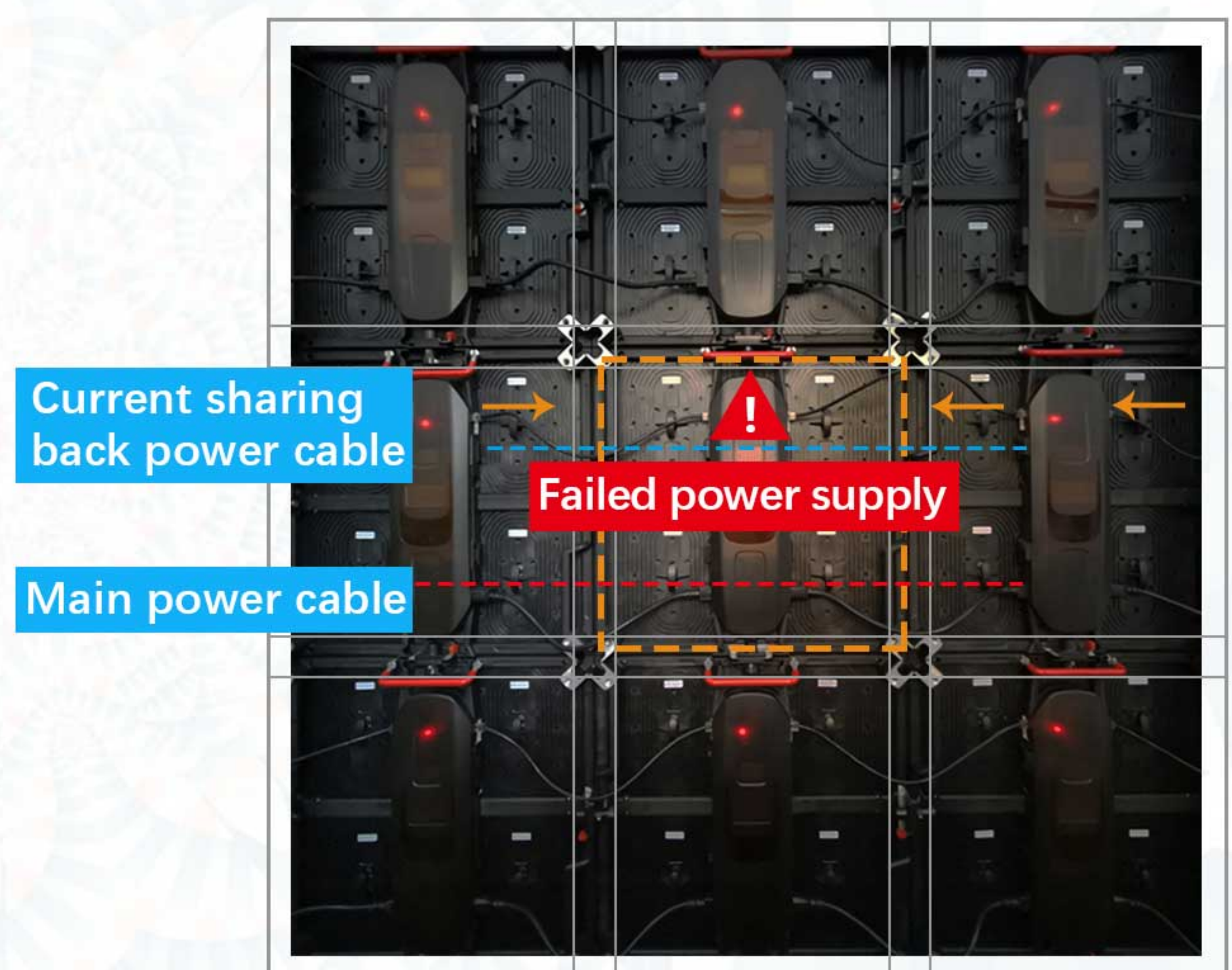
Dual Receiving Cards Design

Data Redundancy Design

Data Redundancy & Current Sharing Backup



Data Redundancy Guarantee No Signal Failure



Current Sharing Consistent Power To Panel In Case Of Any Panel Power Supply Failure

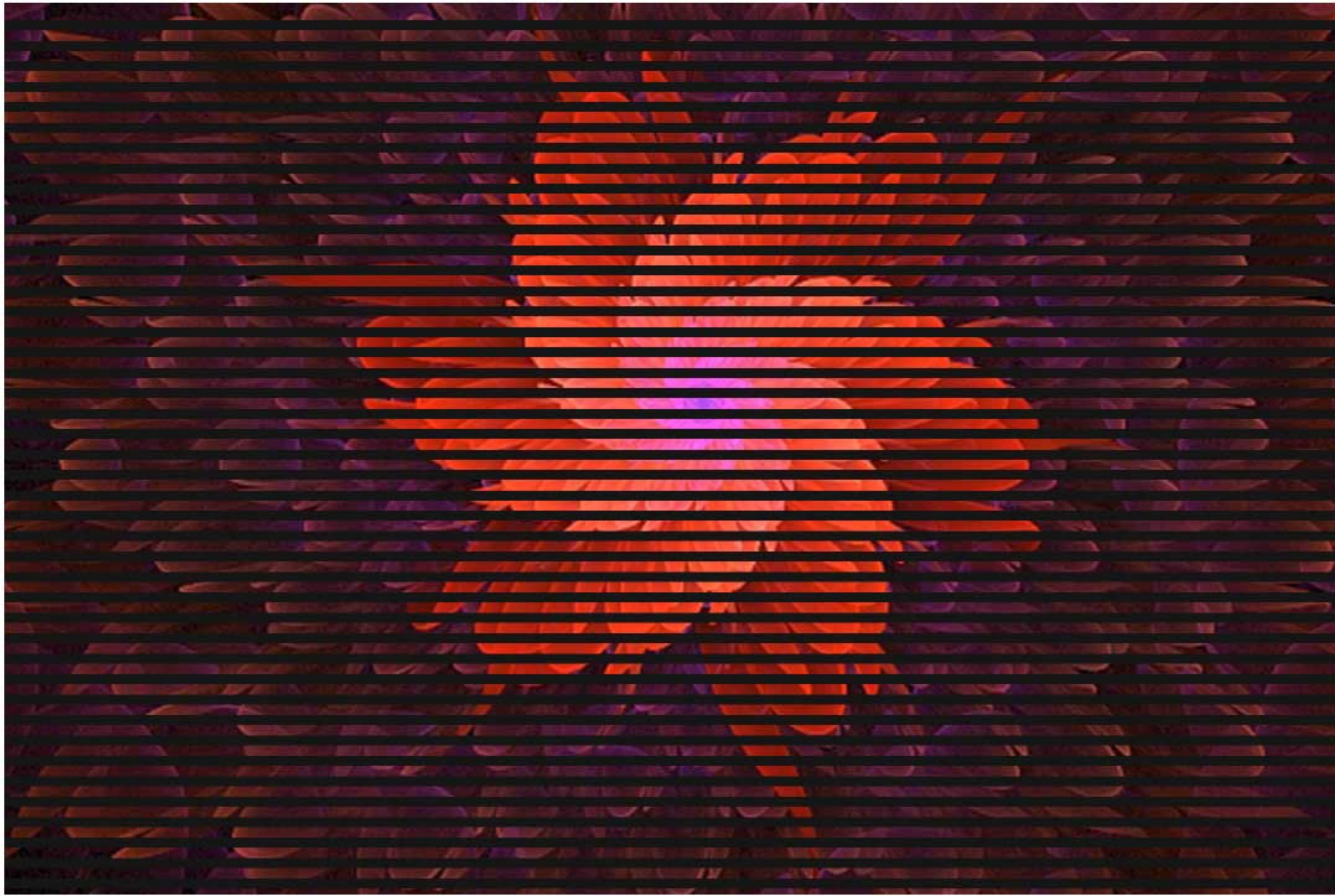
Electromagnetic Compatibility And Protection



E Pro Series meets the standards of electromagnetic compatibility such as CE, ETL, FCC, and 3C, and can effectively shield electromagnetic waves, preventing electromagnetic interference to the outside environment. Meanwhile, it has capability of anti-interference against outside.

Excellent Visual Performance

High Refresh Rate



(Low Refresh Rate)

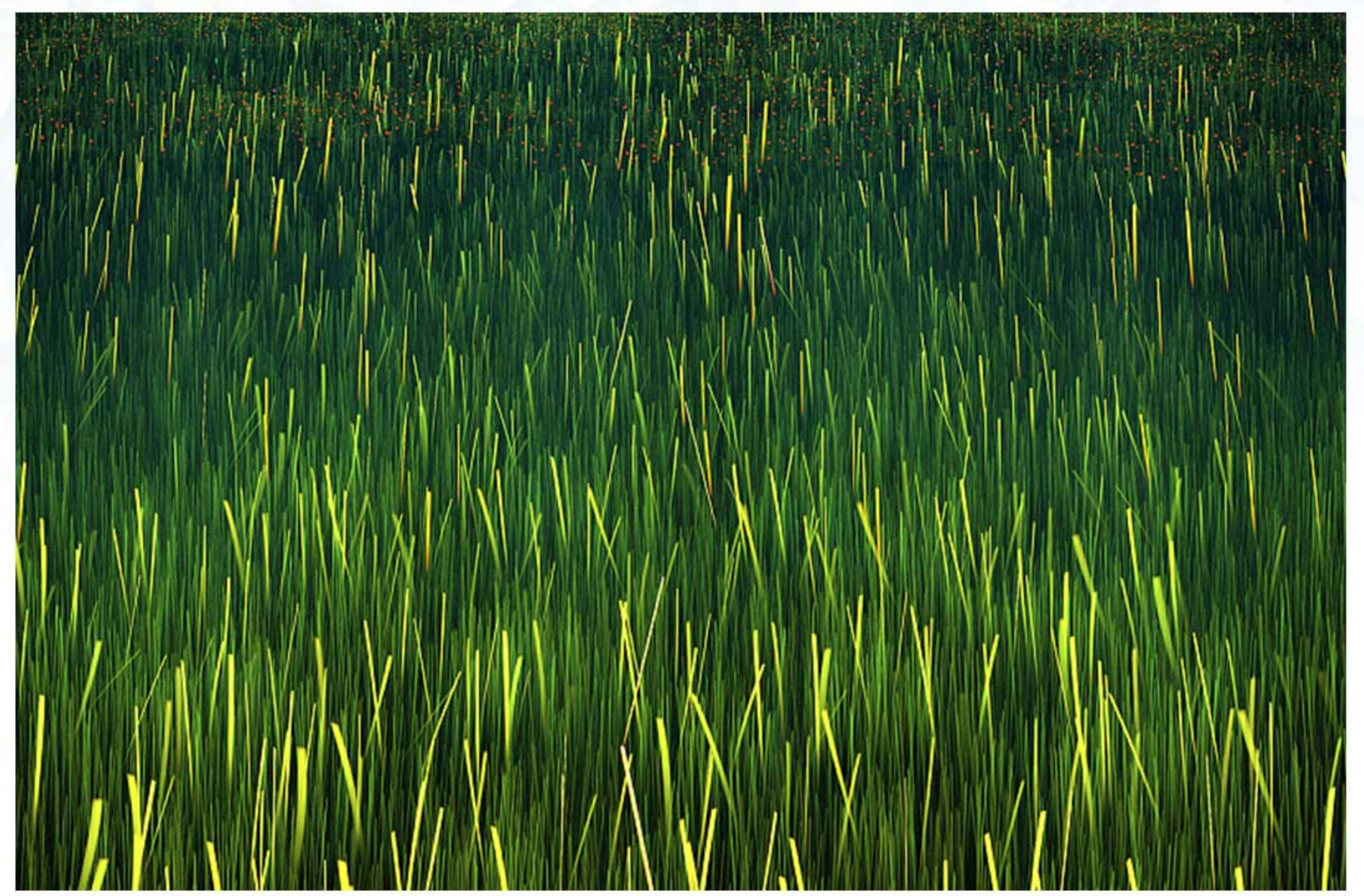


(High Refresh Rate)

As PWM IC driver was applied on E Pro Series, it enhances visual refresh rate by reinforcing pulse wave width and dividing conducting time to numbers of shorter conducting time. Besides, GCLK frequency multiplier increases GCLK frequency to realize doubling refresh rate.

High Grayscale

Not only refresh rate, E Pro Series grayscale also benefits from PWM IC driver. Grayscale is smoother comparing with common IC driver especially at low grayscale.



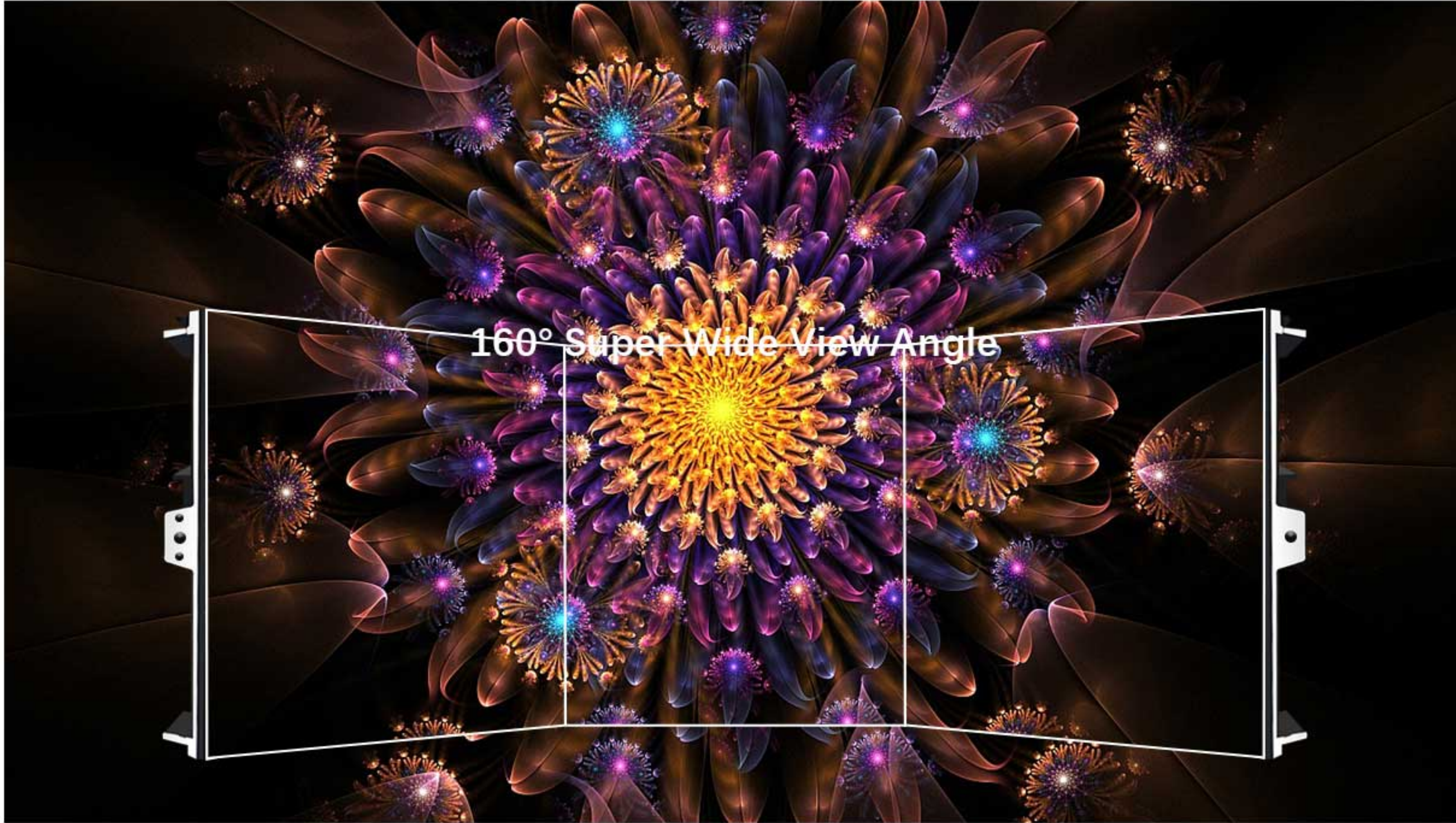
Low Grayscale



High Grayscale

Excellent Visual Performance

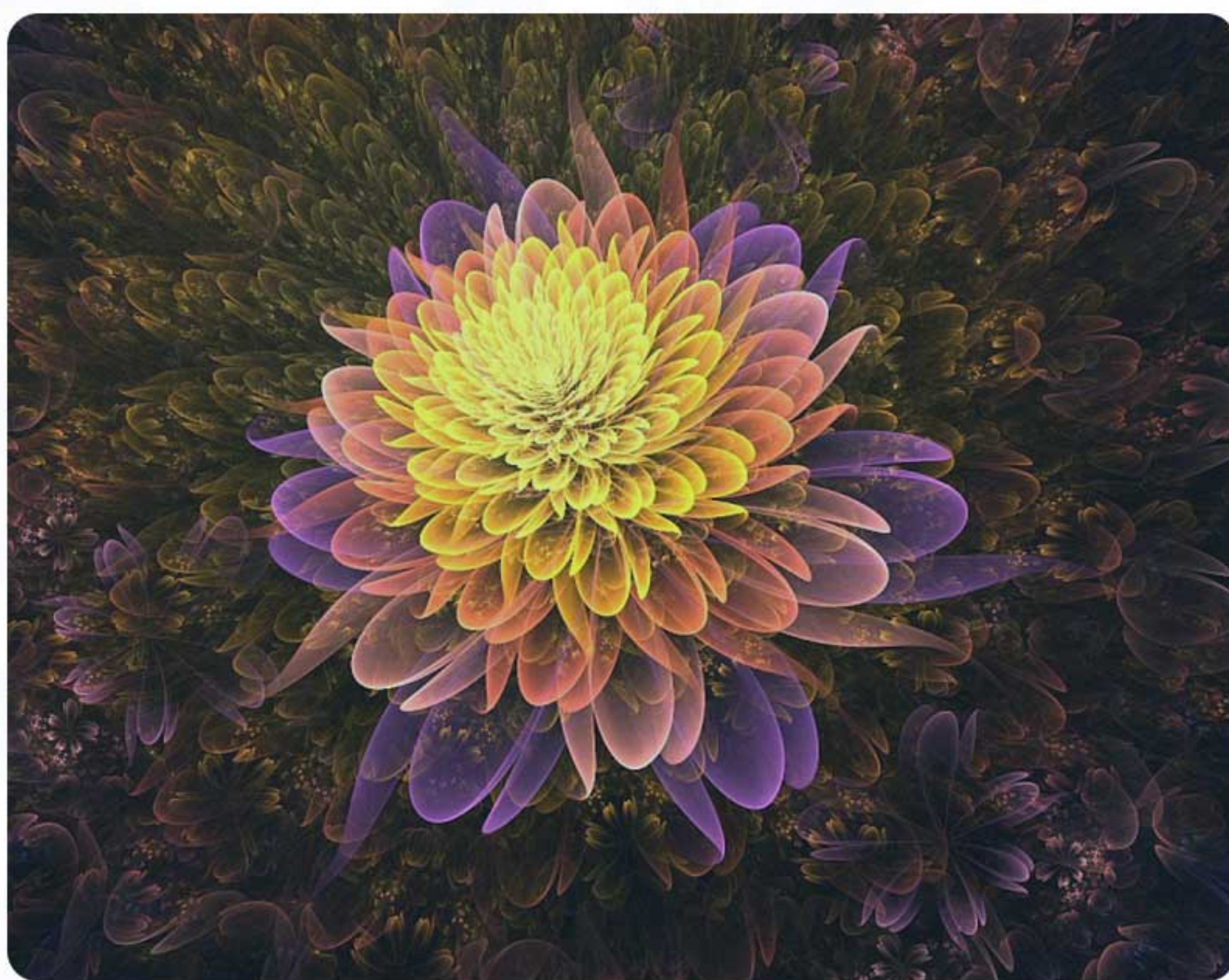
Super Wide View Angle



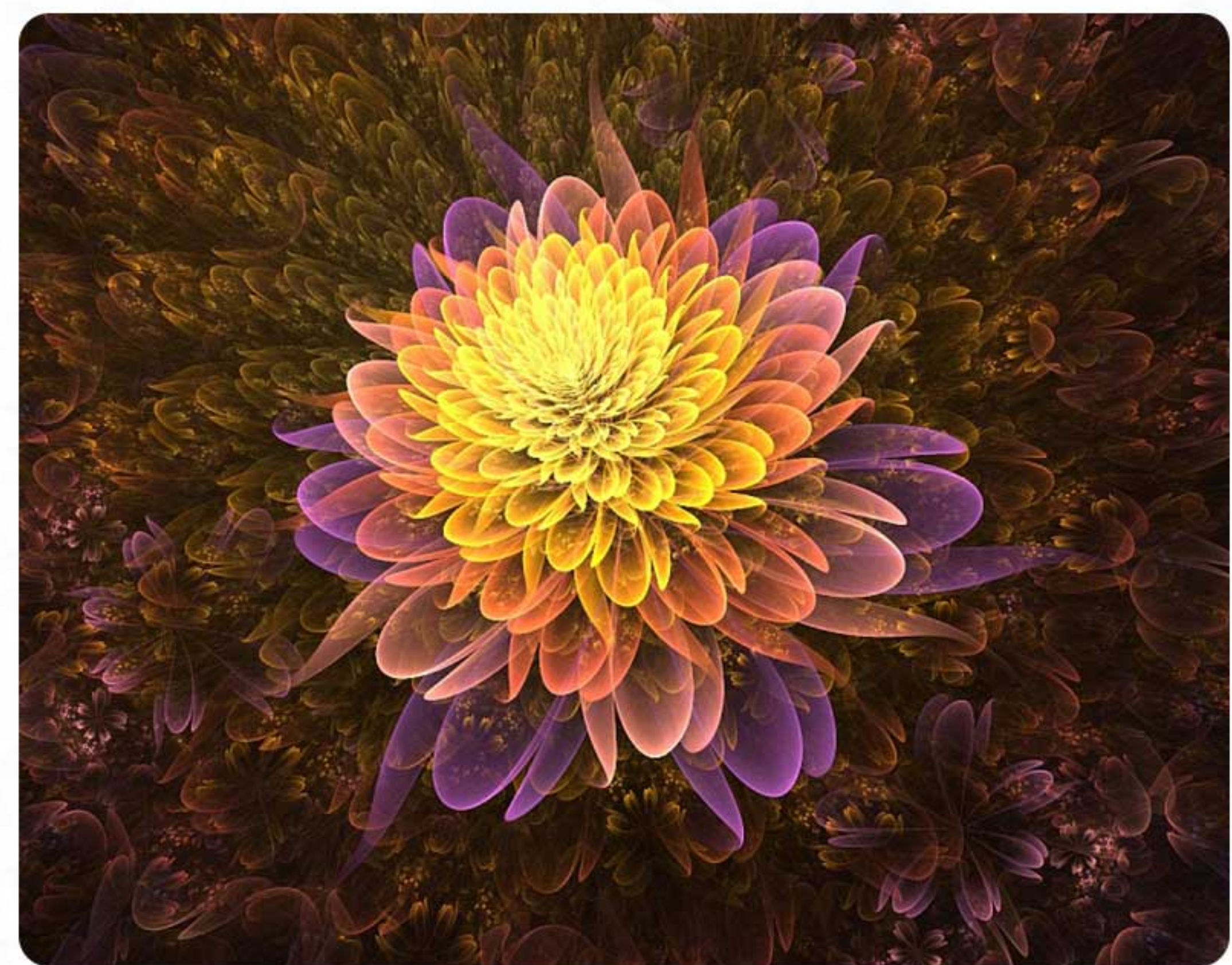
E Pro Series view angle is 160°. Images viewed from different directions are clearer and more uniform. At the range of viewing angle, there will be no color square, modularity.

Calibration Technology

E Pro Series supports calibration technology. After calibration, the products* brightness and color will perform more uniform and consistent



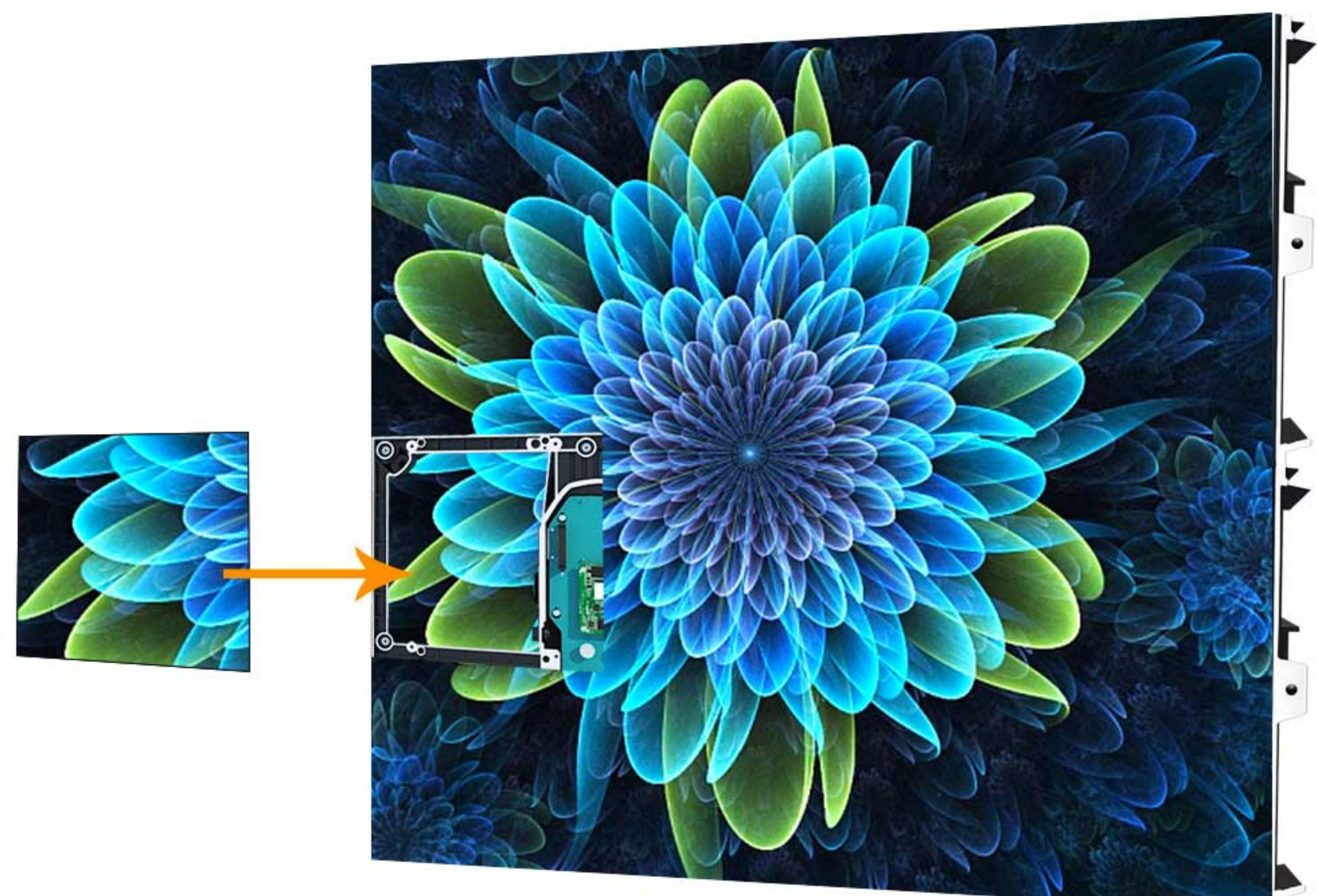
(Before Calibration)







(After Calibration)

Calibration Data Storage

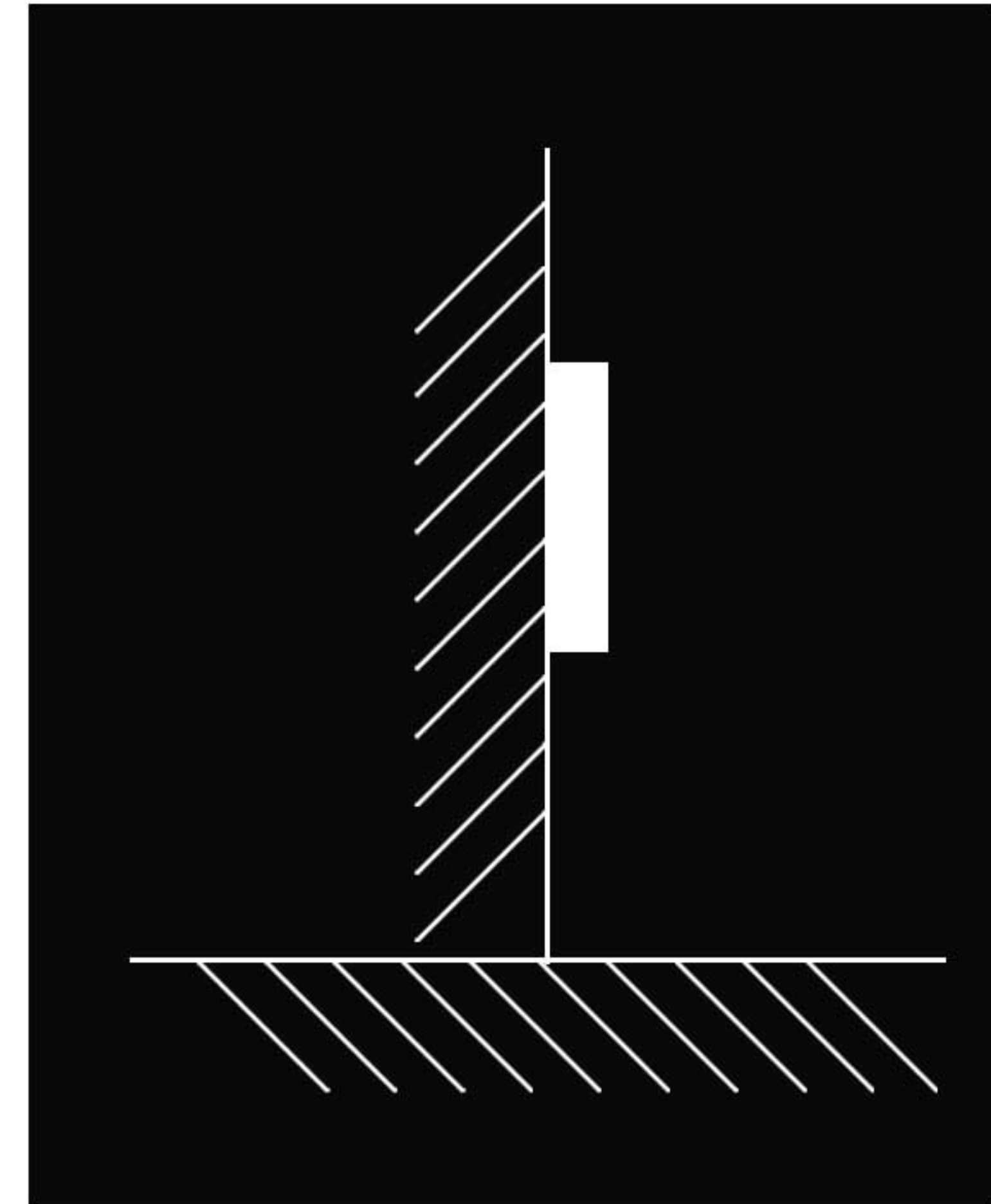
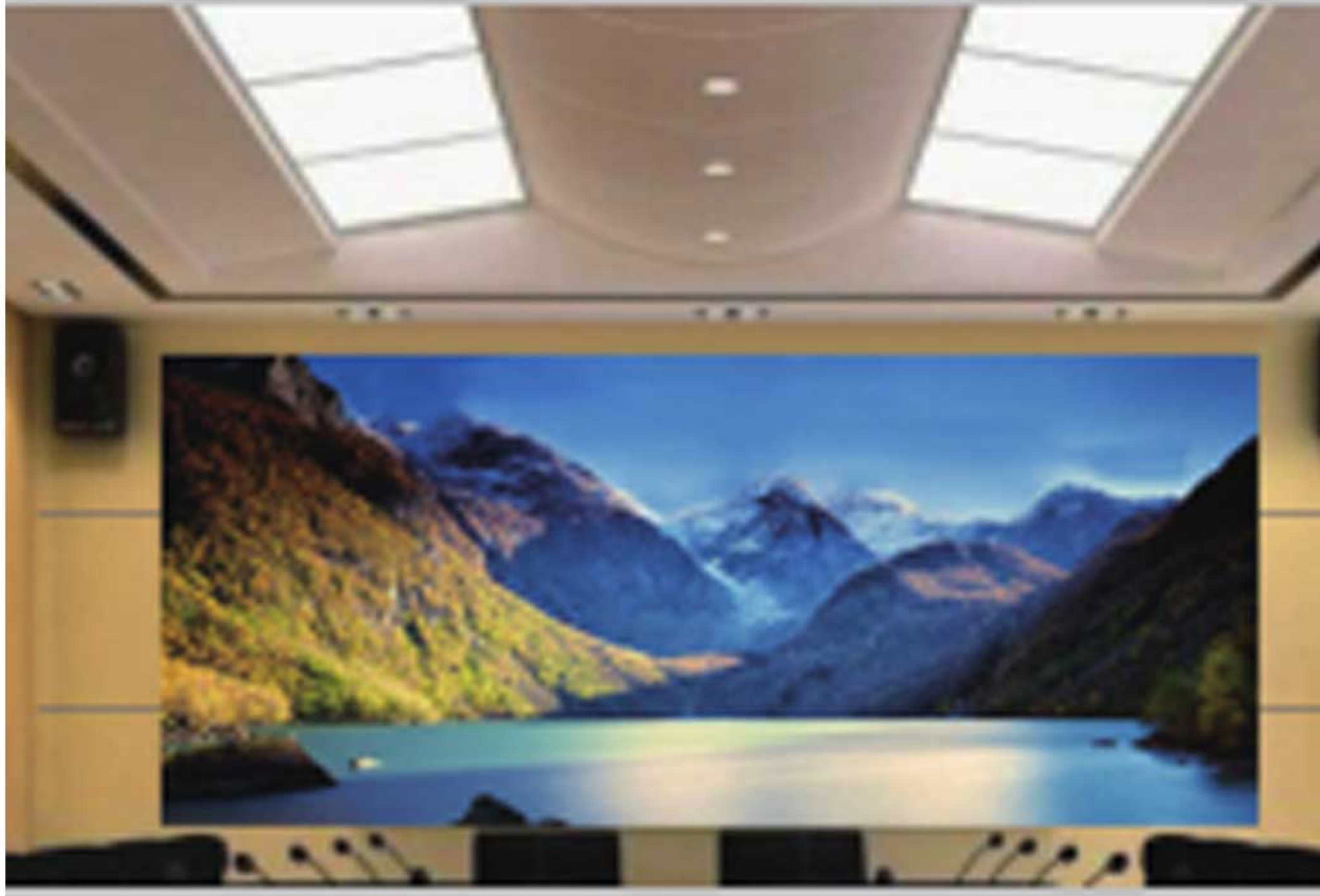
E Pro Series module has memory. Calibration data can be stored in every module. When replacing defected modules with new module, receiving card will read back calibration data from new module. It prevents color and brightness difference after module replacement



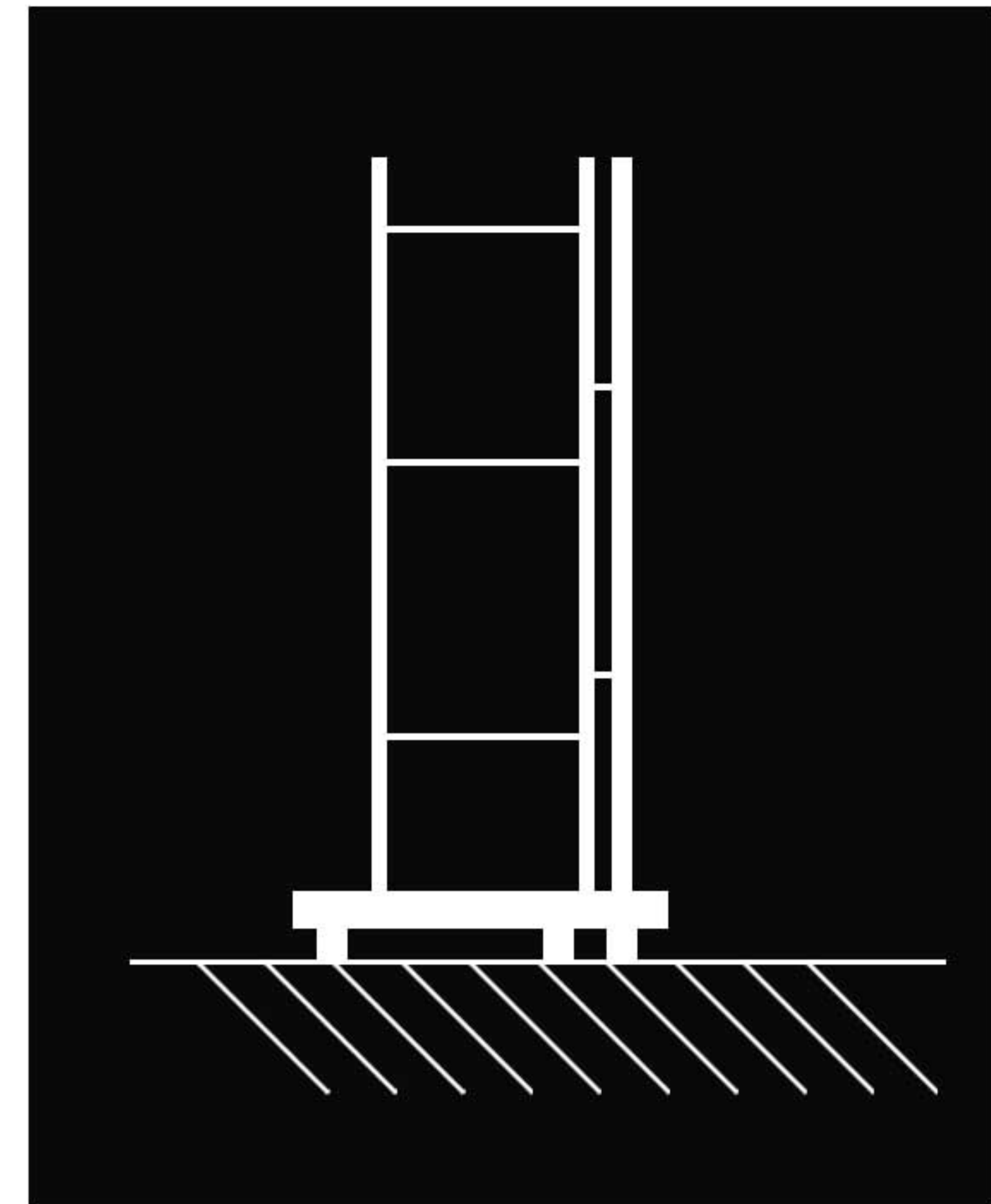
E PRO Series Specifications

E-Pro Series				
E-Pro Series	EP191	EP261	EP291	EP391
Pixel Pitch	1.953 mm	2.604 mm	2.976 mm	3.91 mm
Max. Brightness	≥800nits	≥800nits	≥ 1000 nits	≥ 1000 nits
Module Size (WxH) (mm)	250 x 250	250 x 250	250 x 250	250 x 250
Panel Dimension (mm)	500x500x63 mm	500x500x63	500x500x63	500x500x63
Panel Dimension (Inch)	19.69" x 19.69" x 3.94"	19.69" x 19.69" x 3.94"	19.69" x 19.69" x 3.94"	19.69" x 19.69" x 3.94"
Panel Resolution (H x V)	256 x 256	192 x 192	168 x 168	128 x 128
Weight Per Panel	6.0 kg	6.0 kg	6.0 kg	6.0 kg
Power Consumption (Avg)(W/m ²)	190	167	185	180
Power Consumption (Max)(W/m ²)	580	500	560	540
LED Configuration	SMD1515	SMD1515	SMD2020	SMD2020
Viewing Angle Vertical	160°	160°	160°	160°
Viewing Angle Horizontal	160°	160°	160°	160°
Refresh Rate	3840Hz	3840Hz	3840Hz	3840Hz
Gray Scale(level)	≥12 bit	≥12 bit	≥12 bit	≥12 bit
Pixel Density(dots/m ²)	262144	147456	112896	65536
Module Resolution (dots)	128x128	96 x 96	84 x84	64 x 64
Driving Mode(Scan)	1/32	1/32	1/21	1/16
Frame Material	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
Operational Temp / Humidity	-20° -50°C, 10-90% RH -4° -122°F, 10-90% RH	-20° -50°C, 10-90% RH -4° -122°F, 10-90% RH	-20° -50°C, 10-90% RH -4° -122°F, 10-90% RH	-20° -50°C, 10-90% RH -4° -122°F, 10-90% RH
IP Rating	Indoor	Indoor	Indoor	Indoor
Maintenance Method	Front & Rear	Front & Rear	Front & Rear	Front & Rear
Quality Warranty	   			

Multiple Installation



Wall Mounting



Stacking

Standard Accessories



Packing Box for Panel



Packing Box for Module



① Front Service Tool



② Long Internet Cable



③ Long Power Cable



④ Integrated HUB



⑤ Short internet cable



⑥ Short Power Cable

Showcases




NewStar

Display Solution

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