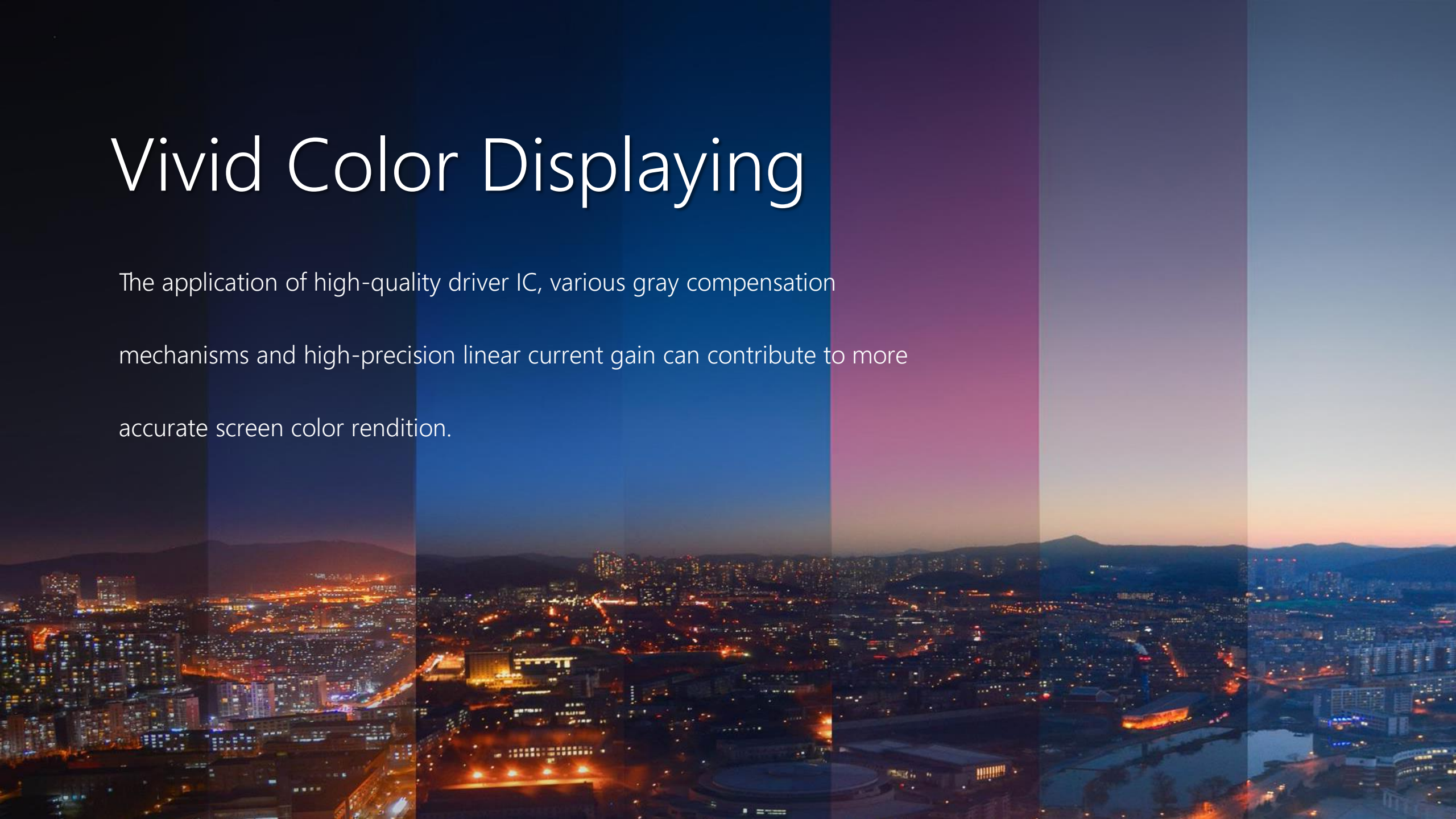




H31 Series Display Product

Vivid Color Displaying

The application of high-quality driver IC, various gray compensation mechanisms and high-precision linear current gain can contribute to more accurate screen color rendition.



Care-free Camera Shooting

- The IC with PWM gray level scatter scanning mode is used to improve the gray scale level of display screen and shooting refresh rate;
- Adopt built-in gray scale dithering to present more details under low gray scale level.

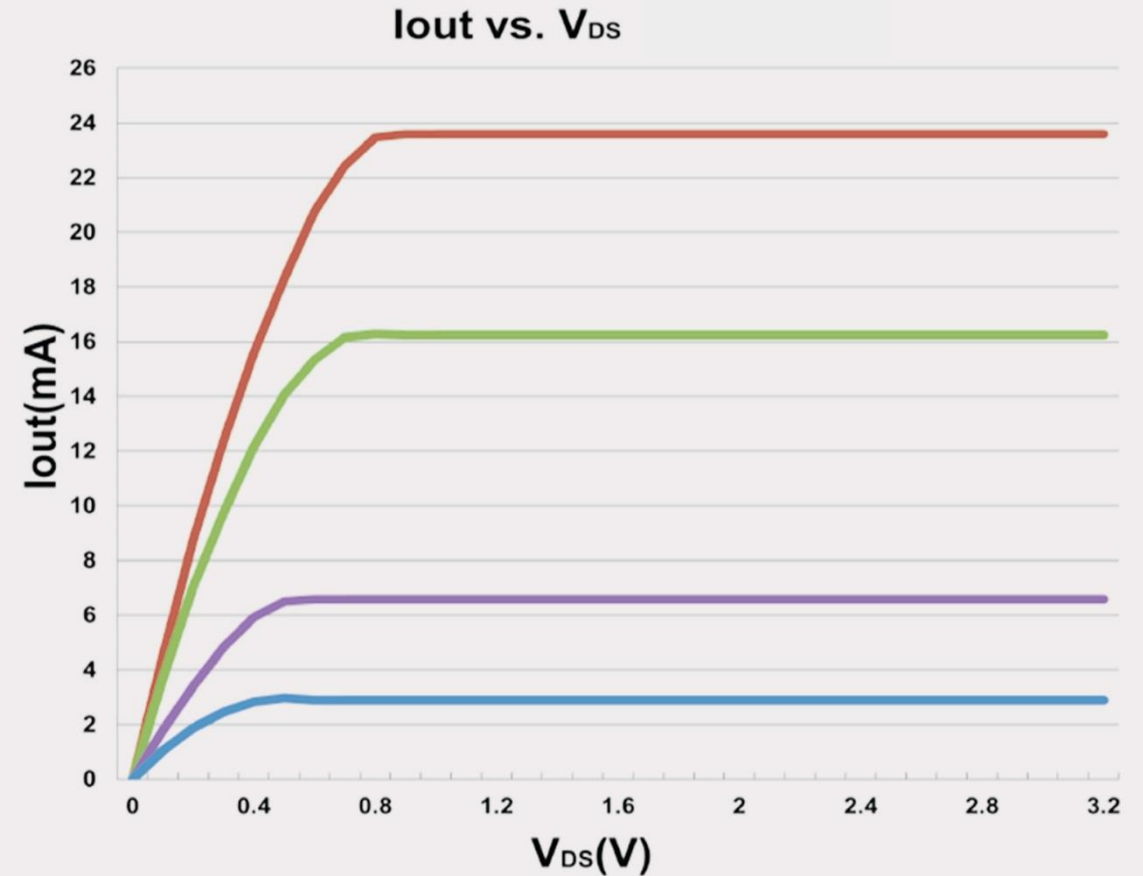


Smooth Black and White Gradient

Apply innovative current gray compensation technology to
improve the image contrast ratio.

Dynamic Energy-saving Tech

- Low-voltage power supply plan reduces useless power consumption ;
- Smart standby mode lowers static power consumption;
- Self-adaption image adjustment method cuts down operation power consumption.



Worry-free Operation

- Open circuit detection and protection function can eliminate the “caterpillar” phenomenon caused by open circuit point, ensuring dual-protection for screen operation.
- Real-time monitoring function can control system communication quality, cabinet temperature, power supply voltage and handling abnormal situations in time.



Highly Integrated 3-in-1 Bridge Board Design

Innovative design in LED display industry



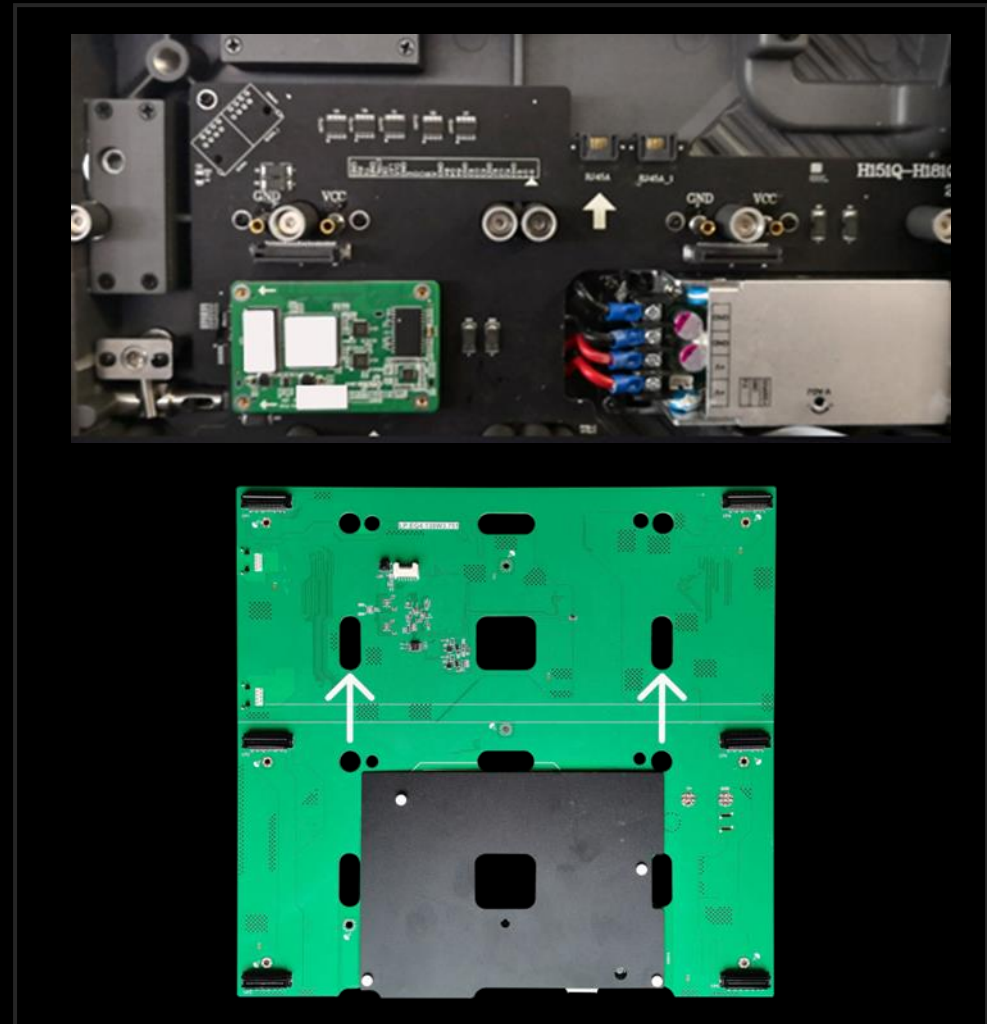
Light-weight Cabinet



Reduced Radiation, Improved Anti-interference Performance

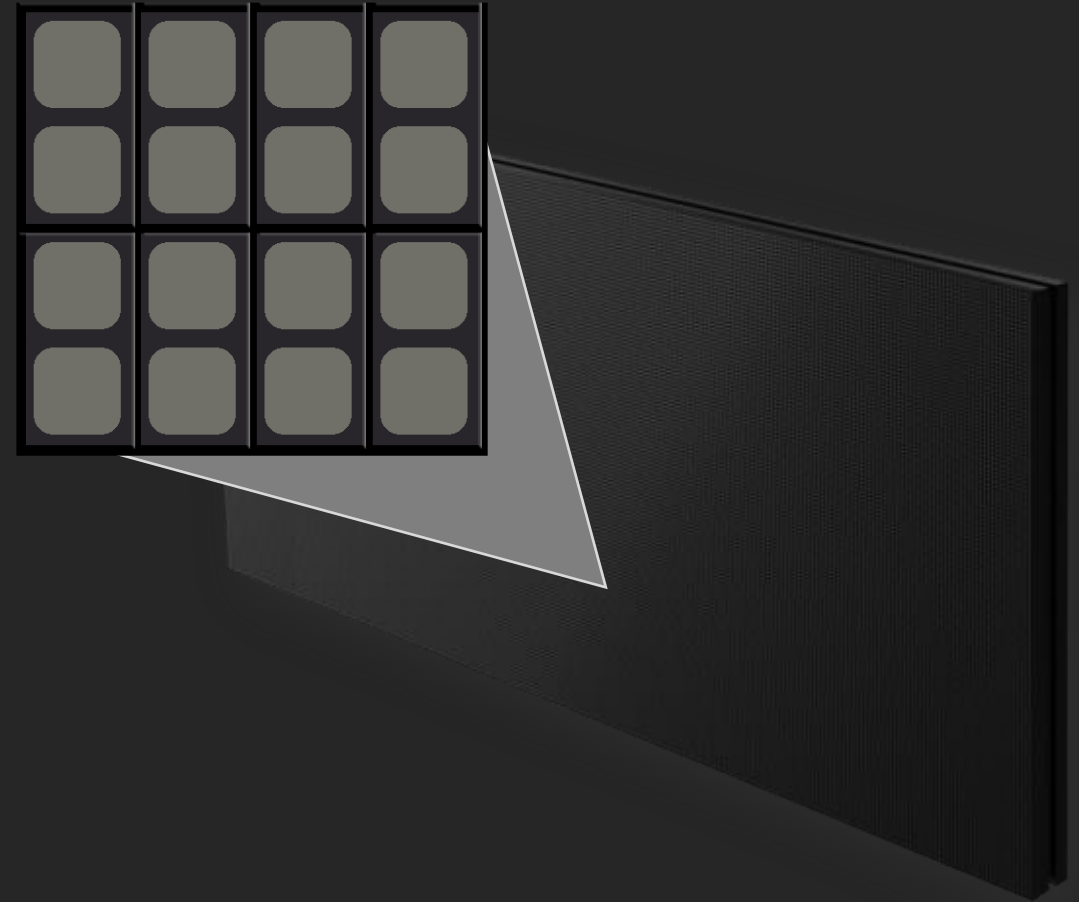


Efficient Installation & Maintenance



High-protection LEDs

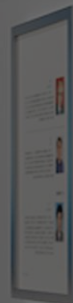
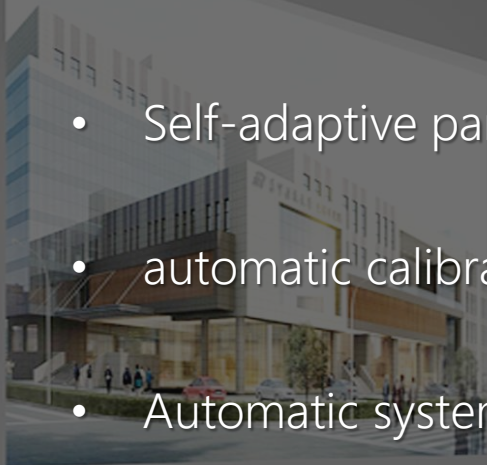
- Apply patent LEDs* to improve contrast ratio as well as protection performance;
- TOP model LEDs are used for whole series products to enhance airtightness and product quality.



*Patent No. : Utility Model ZL201930267816.4 / Design Patent ZL201930267413.X / Design Patent ZL201930267415.9

Self-develop System, User-friendly Operation

- Self-adaptive parameter configuration
- automatic calibration data matching
- Automatic system update



Supported Functions:

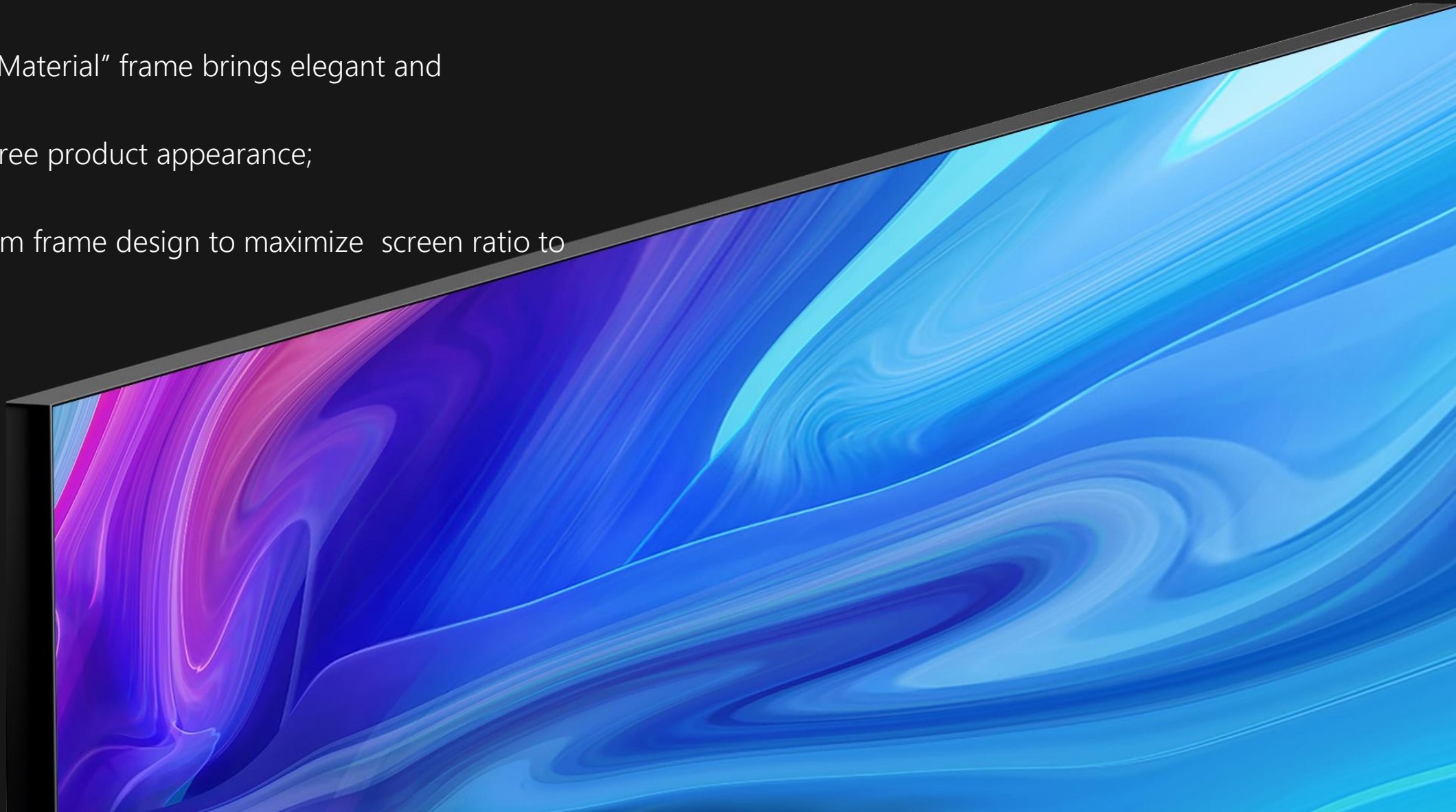
Wireless Screen Sharing

Support wireless screen sharing for PC, PC with Windows 7 and above systems, macOS 10.10 and above systems.



Well-designed Appearance

- “Black Metal Material” frame brings elegant and fingerprints-free product appearance;
- 7mm ultra-slim frame design to maximize screen ratio to almost 100%.



Light-weight and Slim Structure

31mm overall thickness

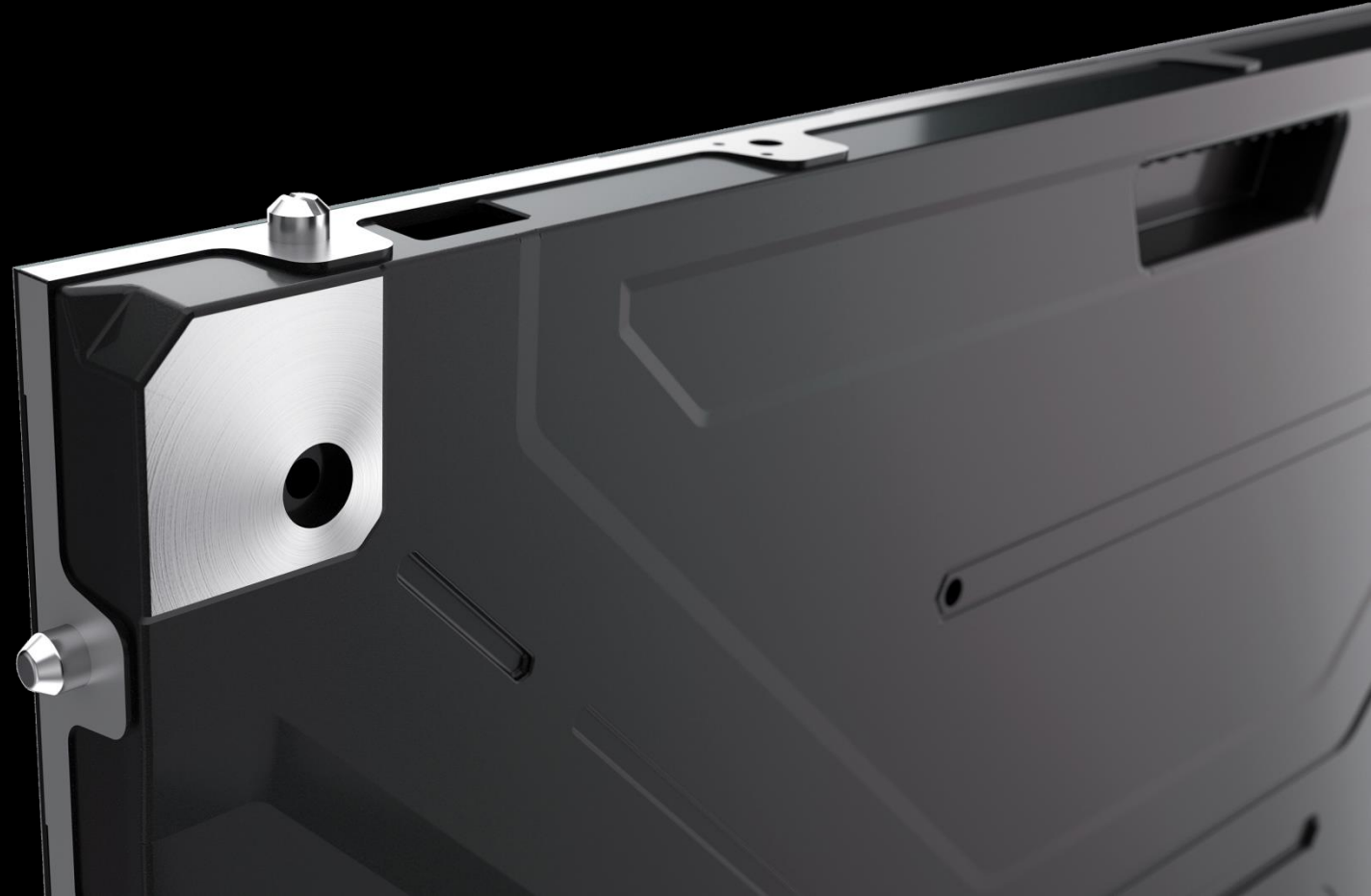
6.2KG/per cabinet weight

Slim cabinet structure enables the screen to better fit in on-site environment.



High-precision Cabinet

- Cabinet adopts high-precision CNC processing technology;
- The unique assembly structure between cabinets ensures installation precision;
- Better screen flatness after installation.



Efficient Installation

- Standard wall-mounting installation mode with high-strength hooks;
- pre-assembled display column before delivery to improve on-site installation efficiency;
- Simple Installation procedures without electric welding involvement, saving time and labor.



Convenient Maintenance

- Magnetic front maintenance for modules*, thus to achieve 1s disassembly and 3s replacement;
- Support hot swapping and automatic calibration date upload;
- support trouble-free spare parts replacement;
- Fully front-access installation, no need for extra maintenance space.



*operated by professionals in the laboratory environment.

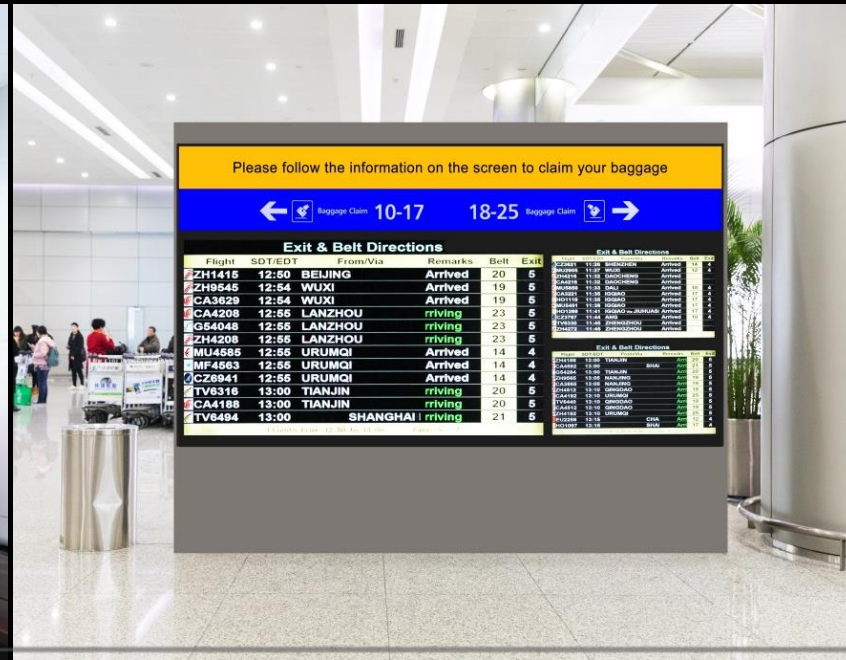
Data Sheet: Cabinet

Product Model	QH3112	QH3115	QH3118	QH3125
Cabinet Size (L*W*H) / (mm)	640*480*31	640*480*31	640*480*31	640*480*31
Cabinet Resolution (dots)	512*384	416*312	348*261	256*192
Cabinet Area (m ²)	0.3072	0.3072	0.3072	0.3072
Cabinet Weight (Kg)	6.2±0.1	6.2±0.1	6.2±0.1	6.2±0.1
Cabinet Material	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Module Layout (W*H)	2*3	2*3	2*3	2*3
Cabinet AC Distribution Power (W)	≤130	≤110	≤90	≤70
Cabinet Maintenance	Front	Front	Front	Front

Product Model	QH3112	QH3115	QH3118	QH3125
White Balance Brightness (nit)	≥550	≥550	≥550	≥550
Contrast	≥6500 : 1	≥6500 : 1	≥6500 : 1	≥6500 : 1
Refresh Frequency (Hz)	3840	3840	3840	3840
Color Processing Depth (Bit)	13	13	13	13
Optimum Viewing Distance (m)	≥2.5	≥3.0	≥3.6	≥3.6
Viewing Angle (H/V°)	170/170	170/170	170/170	170/170
Maximum AC Input Power (W/m ²)	≤450	≤360	≤295	≤220
Operating Temperature (°C)	-20 ~ 40	-20 ~ 40	-20 ~ 40	-20 ~ 40
Operating Humidity (RH)	10%~65% No condensation 10%~65% No condensation 10%~65% No condensation 10%~65% No condensation			

Application Scenarios

H31 Series is a ideal choice indoor commercial scenarios including command center, monitoring room, reception hall, lecture hall, airport station, 4S shop and etc.



Company Profile

QSTECH Co., Ltd. (hereinafter referred to as "QSTECH") is a holding subsidiary of CVTE group (SCN: 002841), a world-famous solution provider of LCD drive products.

Since entering the LED market, QSTECH has strived to provide convenient LED products for global users and continuously upgrade products and solutions based on market needs, and constantly create value for customers through product innovation.



Tech Strength, Proved Quality



2016-2017

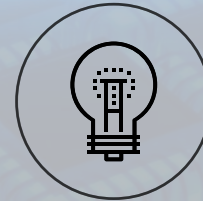
The number of CVTE patent applications rank 1st place in Guangzhou

No. 1*



Patents more than

4000



2018【PCT International Patent Application】
in China

No.17*

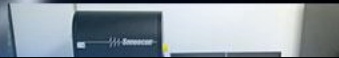
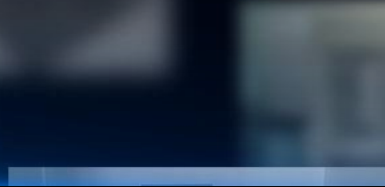


Invention patents
Exceed

400

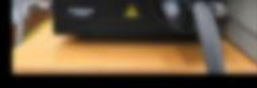
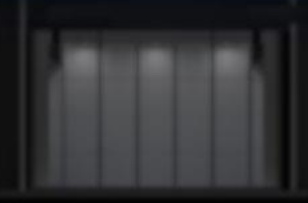
* The data comes from internal search.

* The data is from the "2018 Chinese enterprises PCT international patent application ranking (top 100)".



Advanced Experimental Environment

The company has a number of comprehensive laboratories, including the EMC laboratory (which has been certified by SGS) with an investment of 10 million RMB, providing an advanced laboratory environment for R & D and testing.





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