FULL FLIP CHIP COMMON CATHODE COB

ELVES SERIES

— BIG DATA INFORMATION VISUALIZATION SOLUTION LEADER —

Seamless
stitching

High heat
dissipation

Flatness

Lower
temperature
rise

Longer
life

100,000 hrs
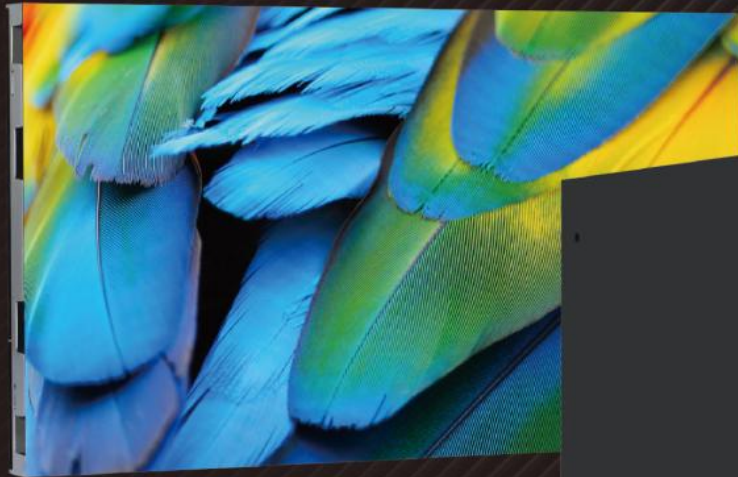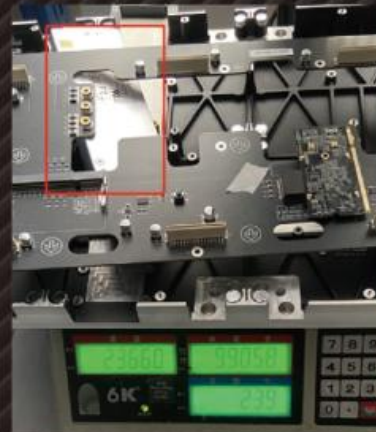
Fanless

No noise

Automatic
alarm

Low failure
rate

Safty

28mm ultra-thin
3.5KG/set ultra-light

Example unit size：480mm*270mm*28mm

Weight：99.5*8+2366=3162g=3.16KG

02

Ultra-thiner installation

Through special accessories and tools reach to 30mm thickness hanging and the thinnest 33mm wall-mounted installation directly, do not need any space for back maintenance, practical and complete use as front maintenance.
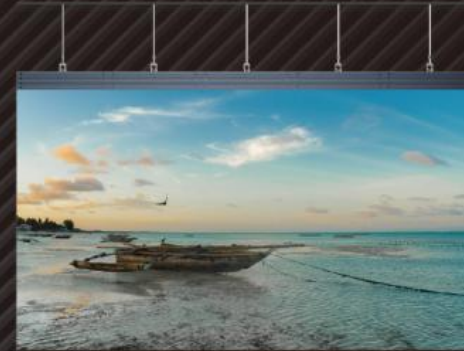
Hanging installation

Wall installation

Standing installation

03

24Bit full cycle
## Dithering grayscale technology (patented technology)
Super lower gray

The use of high-quality LED lamp beads and high-end PWM high-end constant current source, with LPDISPLAY patented mask and exclusive image algorithm, make the display screen color rendering, color reproduction and low gray details more prominent. It also has excellent performance of high gray scale at 100cd/m².

1000000: 1 ultra-high contrast

Traditional LED video wall has lower grayscale and poor performance.
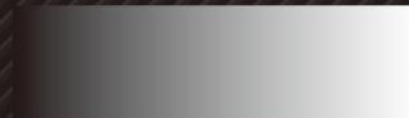
COB product LED display has low brightness and high gray, the gray level can reach to 24Bit.

04

15w/unit ,super power saving
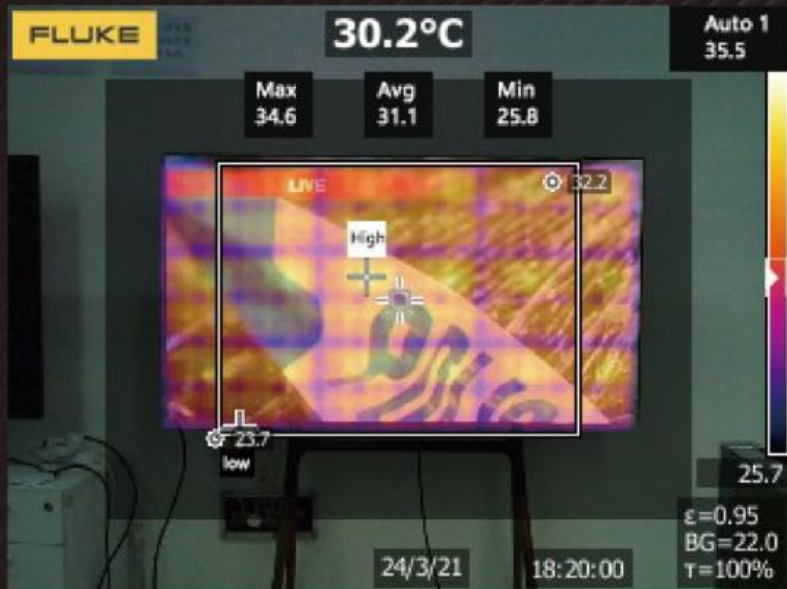## Ultra low temperature rise

Example unit size： **600mm*337.5mm*28mm**

Average working power consumption： **15W/unit**

White balance brightness： **1300nit**

Average working power consumption： **8W/unit**

White balance brightness： **700nit**

05

Energy saving and environmental protection
Safty, low radiation, Anti-blue light

Test report with RoHS certification

The use of custom universal cathode technology can effectively reduce the energy consumption and heat of the screen, and save energy up to 30%, thereby prolonging the service life. Pass the EMC-CLASS-B electromagnetic interference detection standard and the TEST REPORT anti-blue light detection standard, low radiation, anti-blue light, safer to use, long-term viewing under low brightness environment does not damage the eyes.

06

Flip-chip common cathode COB Unique design

The product has unique LED surface treatment technology, which can achieve high-level anti-collision, waterproof, and dust-proof, effectively protect the screen, and can work normally in harsh environments such as corrosion, damp and mist.
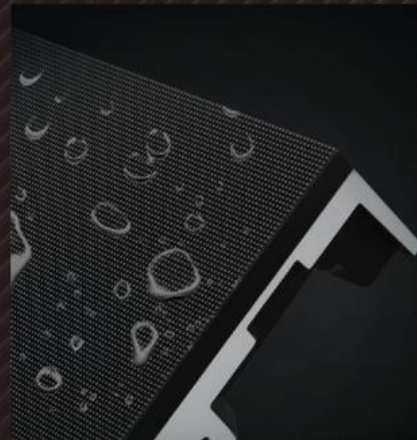
07 Large modules-no bonding
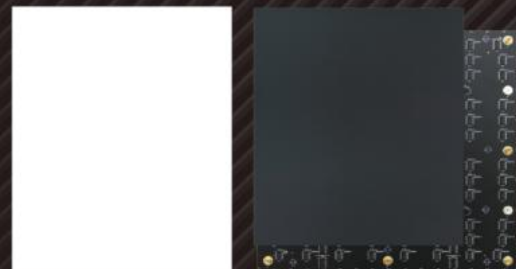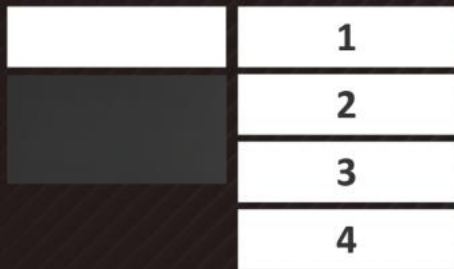
Cabinet size

A42： 480mm*270mm*28mm

J63： 600mm*337.5mm*28mm

Front

Side

Main application areas

Smart city, educational conference, security emergency command, radio and television, banking and finance, military aviation command center, etc.

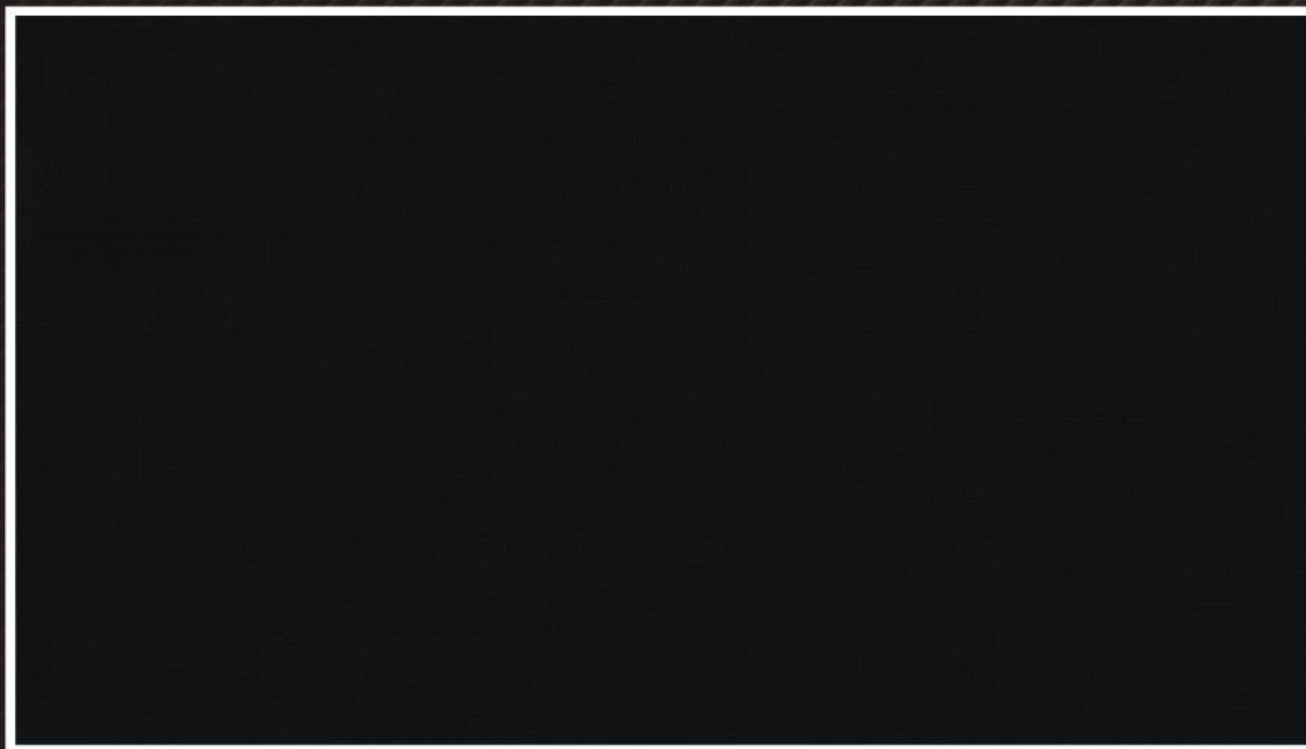| Product number	0.75	1.0	1.25	1.5
Pixel pitch (mm)	X: 0.75 Y: 0.75	X: 1.0 Y: 1.0	X: 1.25 Y: 1.25	X: 1.5 Y: 1.5
Cabinet resolution (width×height)	640*360	480*270	384*216	320*180
Brightness (white balance color temperature 6500K)	0~1500cd/m² adjustable	0~1500cd/m² adjustable	0~1500cd/m² adjustable	0~1500cd/m² adjustable
Point density (point/m²)	1,777,777	1,000,000	640,000	443,556
Average unit power consumption (1200CD/m² video playback)	≤15W			
Cabinet size (wide × height × thickness)	480mm*270mm*28mm			
cabinet weight	3.16Kg/cabinet; 24.4Kg/m²			
Module surface treatment	Full flip chip common cathode COB			
Drive method	Common cathode constant current drive IC			
Smart module	Smart module storage, module-level chroma and brightness correction			
Refresh rate	3840~7680Hz			
Flatness between modules	≤0.1mm			
Installation method	standing installation, hanging installation, wall installation			
Gray scale	≥16bit			
Operating Voltage	PFC wide range 100~240VAC (50~60Hz), partial pressure current equalizing power supply			
Horizontal viewing angle/Vertical viewing angle	170°/170°			
Highest contrast	≥1000000:1 (1 million to 1)			
Protection level	IP65			
Screen color temperature	2000K~10000K adjustable			
brightness adjustment	Manual / automatic / program control			
Pixel calibration	Equipped with point-by-point correction of brightness and chroma			

Note：The parameter index can be adjusted appropriately according to the specific needs.

TOPGOB

Product number	0.75	0.9	1.25	1.5
Pixel pitch (mm)	X: 0.75 Y: 0.75	X: 0.9 Y: 0.9	X: 1.25 Y: 1.25	X: 1.5 Y: 1.5
Cabinet resolution (width×height)	768*432	640*360	480*270	384*216
Brightness (white balance color temperature 6500K)	0~1500cd/m² adjustable	0~1500cd/m² adjustable	0~1500cd/m² adjustable	0~1500cd/m² adjustable
Higher Brightness(white balance color temperature 6500K)	3500~5000cd/m² adjustable	3500~5000cd/m² adjustable	3500~5000cd/m² adjustable	3500~5000cd/m² adjustable
Point density (point/m²)	1,137,777	1,000,000	640,000	409,600
Average unit power consumption (1200CD/m² video playback)	≤15W			
Cabinet size (wide × height × thickness)	600mm*337.5mm*28mm			
cabinet weight	4.6Kg/cabinet; 23Kg/m²			
Module surface treatment	Full flip chip common cathode TOPGOB			
Drive method	Common cathode constant current drive IC			
Smart module	Smart module storage, module-level chroma and brightness correction			
Refresh rate	3840~7680Hz			
Flatness between modules	≤0.1mm			
Installation method	standing installation, hanging installation, wall installation			
Gray scale	≥16bit			
Operating Voltage	PFC wide range 100~240VAC (50~60Hz), partial pressure current equalizing power supply			
Horizontal viewing angle/Vertical viewing angle	170°/170°			
Highest contrast	≥1000000:1 (1 million to 1)			
Protection level	IP65			
Screen color temperature	3200K~10000K adjustable			
brightness adjustment	Manual / automatic / program control			
Pixel calibration	Equipped with point-by-point correction of brightness and chroma			

Note: The parameter index can be adjusted appropriately according to the specific needs.

Product number	0.75	0.9	1.25	1.5
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Point density (point/m²)	1,137,777	1,000,000	640,000	409,600
Average unit power consumption (1200CD/m² video playback)	≤15W			
Cabinet size (wide × height × thickness)	600mm*337.5mm*28mm			
cabinet weight	5.2Kg/cabinet; 26Kg/m²			
Module surface treatment	Full flip chip common cathode COB			
Drive method	Common cathode constant current drive IC			
Smart module	Smart module storage, module-level chroma and brightness correction			
Refresh rate	3840~7680Hz			
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