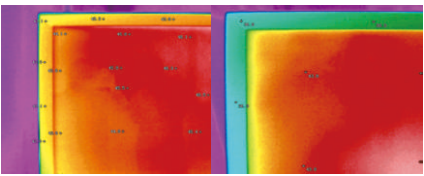# Professional Display

High Brightness
iSEMC's professional display have a higher level of brightness than that of normal LCD displays, making images appear more vivid even in bright environments, lifelike details remain visible and clear.

High Contrast Ratio
iSEMC's professional displays have higher contrast ratio thanthose of a normal television, which can enrich the depth and realism of the image.

Contrasted with the front frame
The temperature of screen and front frame tested by thermal imager is dropped 7.6 degrees by modifying the air ducts and fans
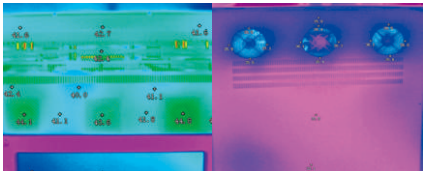
Gray scale response time
With a gray scale response time of less than 8ms, it effectively enhances the moving image's display effect, and eliminates the problem of smear marks, thus presenting the images more smoothly.
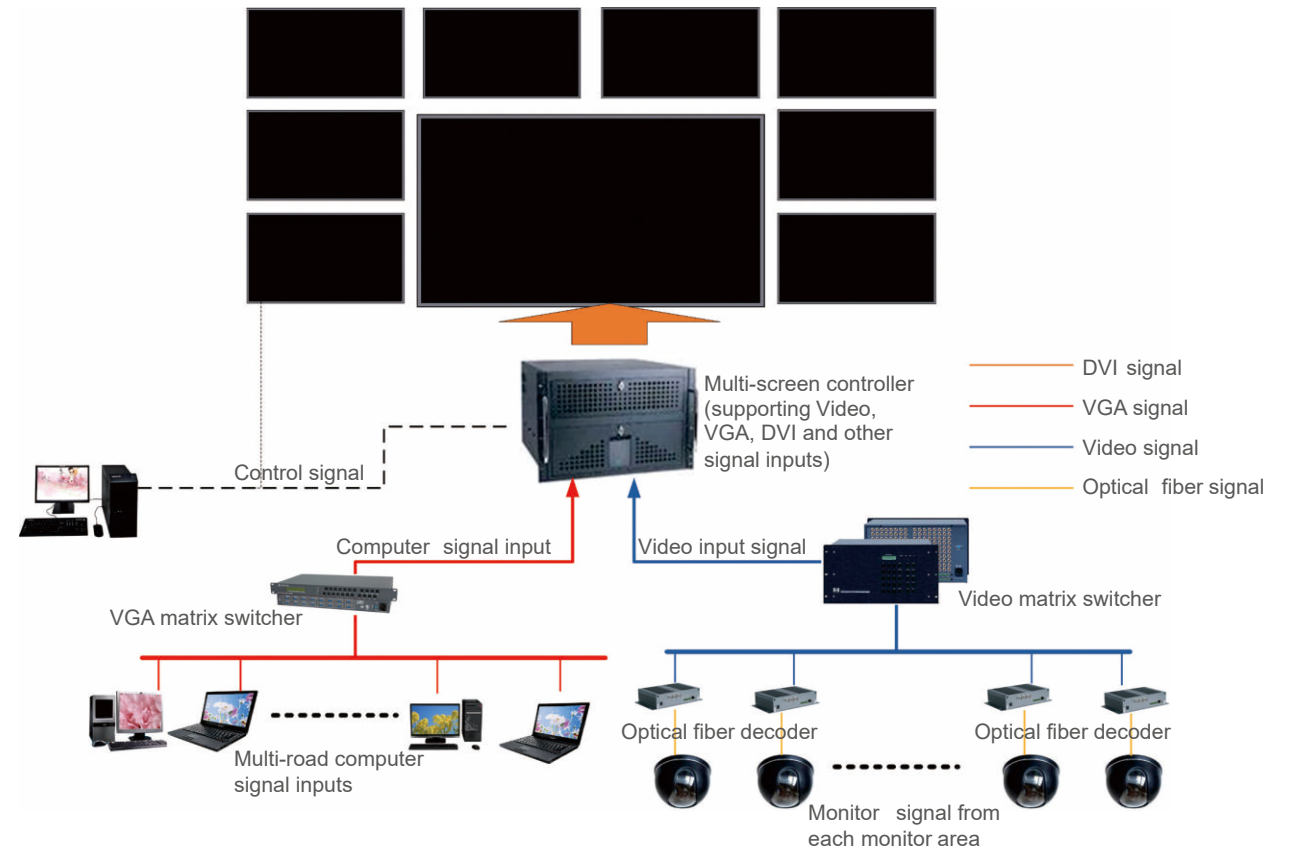
Wider View Angle
With a viewing angle extending more than 178 degrees (both vertically and horizontally), it provides the audience with the option of simultaneous viewing and can be used to meet a variety of different viewing needs.

Comparison of back-case tested by thermal imager (at the fan)
The temperature of the back-case (at the fan)is dropped 10.2 degrees by modifying the air ducts and fans

The Topology of Supervisory Control Application

- DVI signal
- VGA signal
- Video signal
- Optical fiber signal

Multi-screen controller (supporting Video, VGA, DVI and other signal inputs)

Control signal

Computer signal input

Video input signal

VGA matrix switcher

Video matrix switcher

Multi-road computer signal inputs

Optical fiber decoder

Optical fiber decoder

Monitor signal from each monitor area

Product Features

- Single display applications of large sizes, 43", 55", 65",75",86",98";
- Professional grade LCD displays with LED backlit with lifespan 100,000hr;
- FHD 1920x1080 &Ultra HD 3840x2160 display resolution makes perfect and vivid picture;
- Aluminum frame with narrow bezel 28mm & bezel colors customized available;
- PC expansion slots, easy to input/output the audio video signal;
- With the smart power energy saving function, the stand-by power consumption can be 0.5W;
- Designed for 24/7 usage;

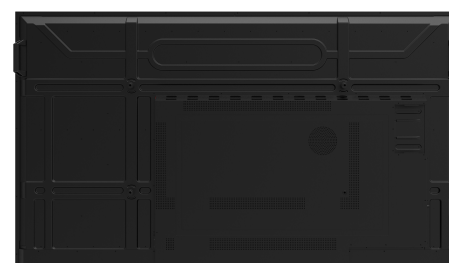Product Features

75" Professional LED Backlit LCD Display

75-inch professional LCD display adopts LED full-array backlight panels, with more delicate image quality and clearer definition.Independently developed ultrathin board design let body more lightweight,. Ultra-narrow aluminum frame design let its frame up to 30mm. Its great heat dissipation function guarantees the 7x24 hours of continuous work, which is widely used in advertising, video conferencing, classroom and other industries.

U75HDLN

Screen Size	Backlight	Viewing Angle
75"	LED	178°/178°
Resolution	Aspect Ratio	Color
3840×2160	16:9	1.07B
Power Consumption	Response time	Net Weight
<400w	8ms(G to G)	≈52KG
Integrated Speaker	Contrast Ratio	Brightness
No	1200:1	450

INTERFACE

2 x HDMI / 1 x VGA / 1 x RS232 / 1 x SPDIF/ 1 x PC AUDIO / 1 x USB2.0 / OPS(Optional)

75" Professional LED Backlit LCD Display
86" Professional LED Backlit LCD Display

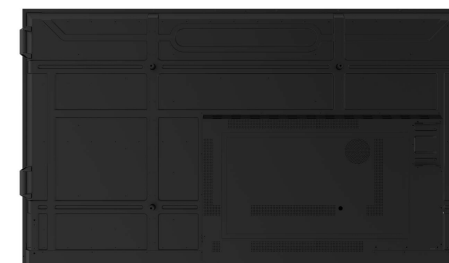## 86" Ultra HD 4K x 2K Professional LED Backlit LCD Display

86-inch professional display adopts DLED full-array backlight panel, with more delicate image quality and clearer definition. Its super-large screen has 4K x 2K Ultra HD resolution and 1200:1 HD contrast ratio, which can restore the original color effect. 28mm for the ultra-narrow aluminum frame makes the appearance more simple and elegant. Professional industry LED panel can realize energy saving and longer life. Easy installation and flexible application can be achieved by the built-in OPS function.

U86UDLN

Screen Size	Backlight	Viewing Angle
86"	LED	178°/178°
Resolution	Aspect Ratio	Color
3840x2160	16:9	1.07B
Power Consumption	Response time	Net Weight
<440w	8ms	≈90KG
Integrated Speaker	Contrast Ratio	Brightness
No	1200:1	400cd/m2

INTERFACE

2 x HDMI / 1 x VGA / 1 x RS232 / 1 x SPDIF/ 1 x PC AUDIO / 1 x USB2.0 / OPS(Optional)

Professional Display

iSEMC

Specifications

Model	U43HDLN	U55HDLN	U65HDLN	U75HDLN	U86HDLN	U98HDLN
Size (inch)	43"	55"	65"	75"	86"	98"
Backlight	DLED	DLED	DLED	DLED	DLED	DLED
NetWeight	18KG	20KG	23KG	30KG	34KG	39KG
Contrast Ratio	1100:1	1200:1	1200:1	1200:1	1200:1	1300:1
Response time	6ms	6ms	9ms	8ms	8ms	5ms
Viewing Angle	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°
Power Consumption	<85W	<140W	<170W	<400W	<440W	<480W
Brightness (cd/㎡)	350	350	450	450	400	500
Resolution	4K@60Hz	4K@60Hz	4K@60Hz	4K@60Hz	4K@60Hz	4K@60Hz
Bilateral Border	1.07B	1.07B	16.7M	1.07B	1.07B	1.06B
Signal input	HDMI / DVI / VGA / AV / RS232 / Y/Pb/Pr / DP / LAN / OPS / USB2.0 / USB3.0					
Aspect Ratio	16:9					
Power Supply	100-240VAC, 50/60 Hz					
Control method	RS232/RJ45,IR					

98" Ultra HD 4K x 2K Professional LED Backlit LCD Display

98-inch professional display adopts LED full-array backlight panel, with more   delicate image quality and clearer definition. Its super- large screen has 4K x 2K Ultra HD resolution and 1300:1 HD contrast ratio, which can restore the original color effect. 28mm for the ultra-narrow aluminum frame makes   the appearance more simple and elegant. Professional industry LED panel can realize energy saving and longer life. Easy installation and flexible application   can be achieved by the optional built-in OPS function.

U98UDLN

Screen Size	Backlight	Viewing Angle
98"	LED	178°/178°
Resolution	Aspect Ratio	Color
3840×2160	16:9	1.06B
Power Consumption	Response time	Net Weight
<480w	5ms	≈130KG
Integrated Speaker	Contrast Ratio	Brightness
No	1300:1	500cd/m2

INTERFACE

2 x HDMI / 1 x VGA /   1 x RS232 / 1 x SPDIF/ 1 x PC AUDIO / 1 x USB2.0 / OPS(Optional)

98" Professional LED Backlit LCD Display

Professional Display

iSEMC