

Professional Display



Product Features

- Single display applications of large sizes, 55", 65",75",86",98",110";
- 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 27.3mm & 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



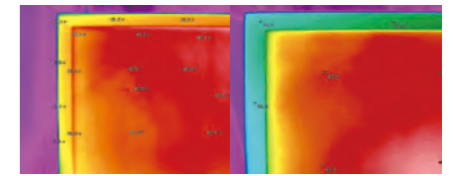
High Brightness

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.



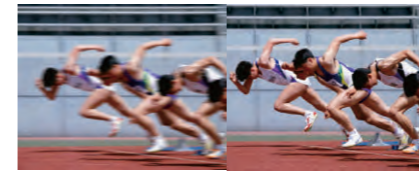
High Contrast Ratio

iSEMC's professional displays have higher contrast ratio than those 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



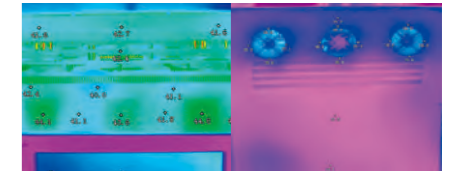
Gray scale response time

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

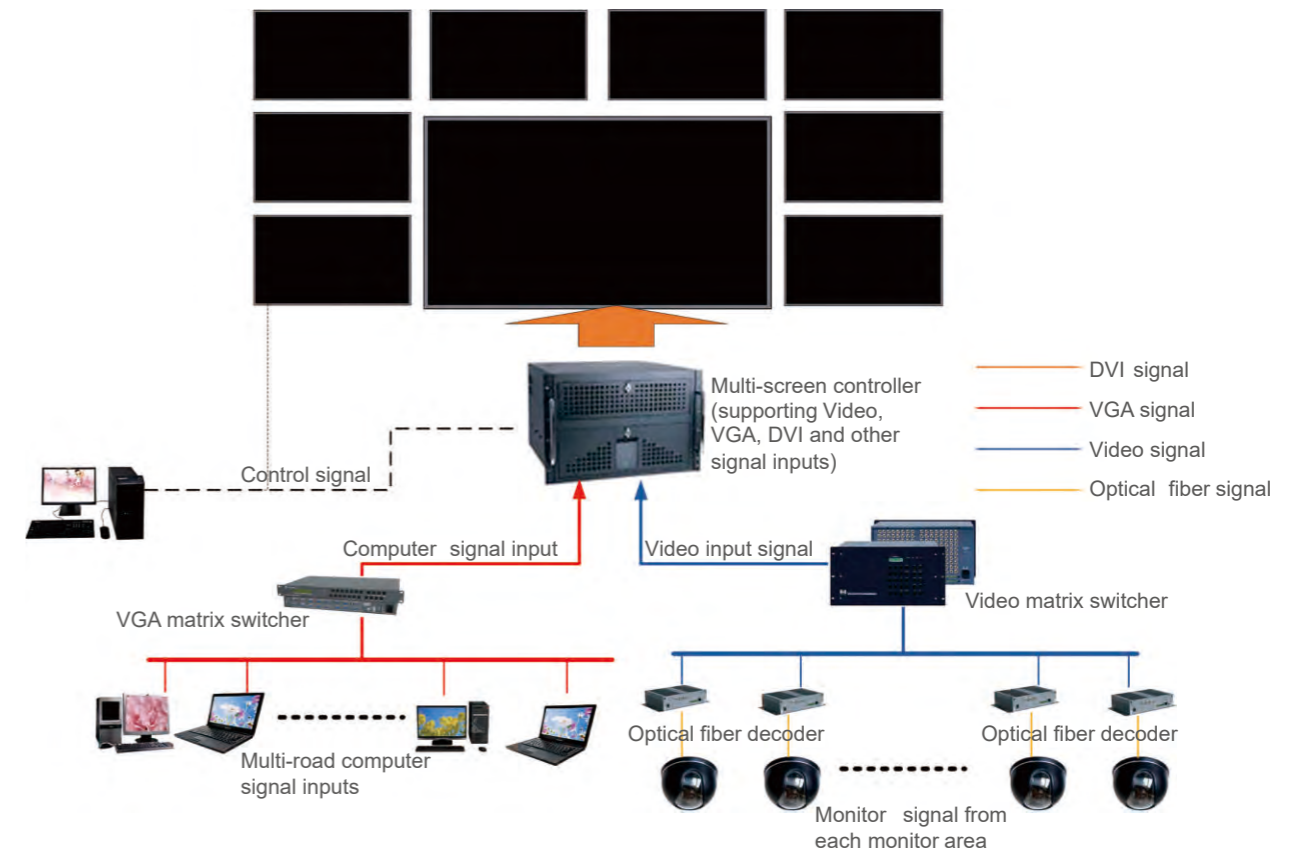
With a viewing angle extending more than 178 degrees (both vertically and horizontally), it provides the audience with the option of simultaneous viewing and can be used to meet a variety of different viewing needs.



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



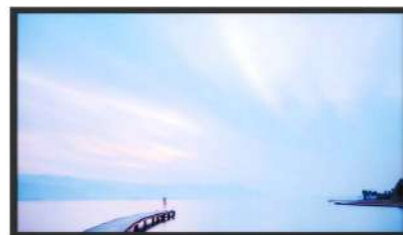


75" Professional LED Backlit LCD Display

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 27.3mm. 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
265w	5ms	≈36KG
Integrated Speaker	Contrast Ratio	Brightness
8Ω/15Wx2+8Ω/20W	1200:1	350cd/m2



INPUTS/OUTPUTS

INPUT-
2x HDMI / 1 x DVI / 1 x VGA / 1 xRS232 / 1 x USB2.0 / 1 x DP
OUTPUT-
1x HDMI / 2 x RS232



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. 27mm for the ultra-narrow aluminum frame makes the appearance more simple and elegant. Professional industry LED panel can realize energy saving and longer life.

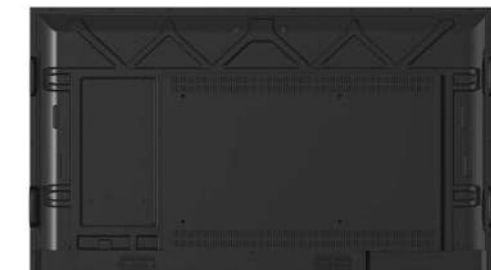
U86UDLN

Screen Size	Backlight	Viewing Angle
86"	LED	178°/178°
Resolution	Aspect Ratio	Color
3840×2160	16:9	1.07B
Power Consumption	Response time	Net Weight
<380w	5ms	≈50KG
Integrated Speaker	Contrast Ratio	Brightness
8Ω/15Wx2+8Ω/20W	1200:1	400cd/m2



INPUTS/OUTPUTS

INPUT-
2x HDMI / 1 x DVI / 1 x VGA / 1 xRS232 / 1 x USB2.0 / 1 x DP
OUTPUT-
1x HDMI / 2 x RS232





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 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.

U98UDLN

Screen Size 98"	Backlight LED	Viewing Angle 178°/178°
Resolution 3840×2160	Aspect Ratio 16:9	Color 1.06B
Power Consumption <503w	Response time 5ms	Net Weight ≈62KG
Integrated Speaker 8Ω/15Wx2+8Ω/20W	Contrast Ratio 1200:1	Brightness 500cd/m2

INPUTS/OUTPUTS

INPUT-
2x HDMI / 1 x DVI / 1 x VGA/ 1 xRS232 / 1 x USB2.0 / 1 x DP

OUTPUT-
1x HDMI / 2 x RS232

98" Professional LED Backlit LCD Display



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

110-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 1200:1 HD contrast ratio, which can restore the original color effect. 27.3mm for the ultra-narrow aluminum frame makes the appearance more simple and elegant. Professional industry LED panel can realize energy saving and longer life.

U110UDLN

Screen Size 110"	Backlight LED	Viewing Angle 178°/178°
Resolution 3840×2160	Aspect Ratio 16:9	Color 1.06B
Power Consumption <720w	Response time 5ms	Net Weight ≈86KG
Integrated Speaker 8Ω/15Wx2+8Ω/20W	Contrast Ratio 1200:1	Brightness 450cd/m2

INPUTS/OUTPUTS

INPUT-
2x HDMI / 1 x DVI / 1 x VGA/ 1 xRS232 / 1 x USB2.0 / 1 x DP

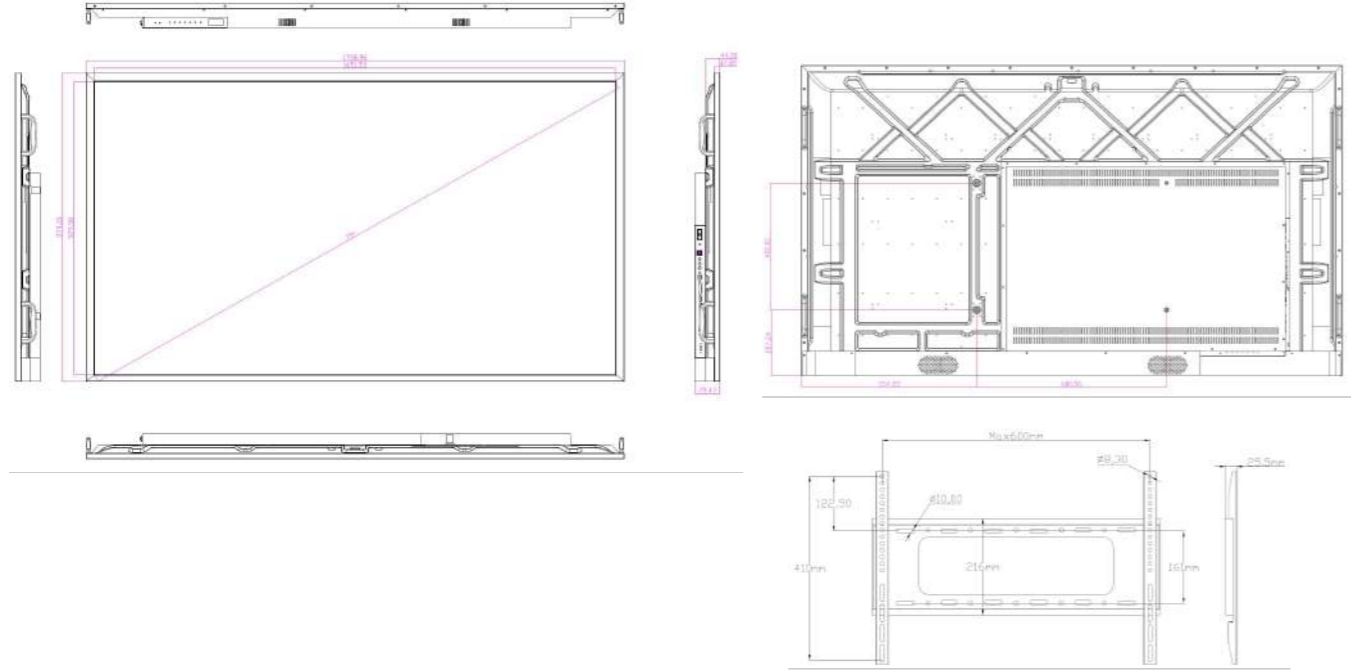
OUTPUT-
1x HDMI / 2 x RS232



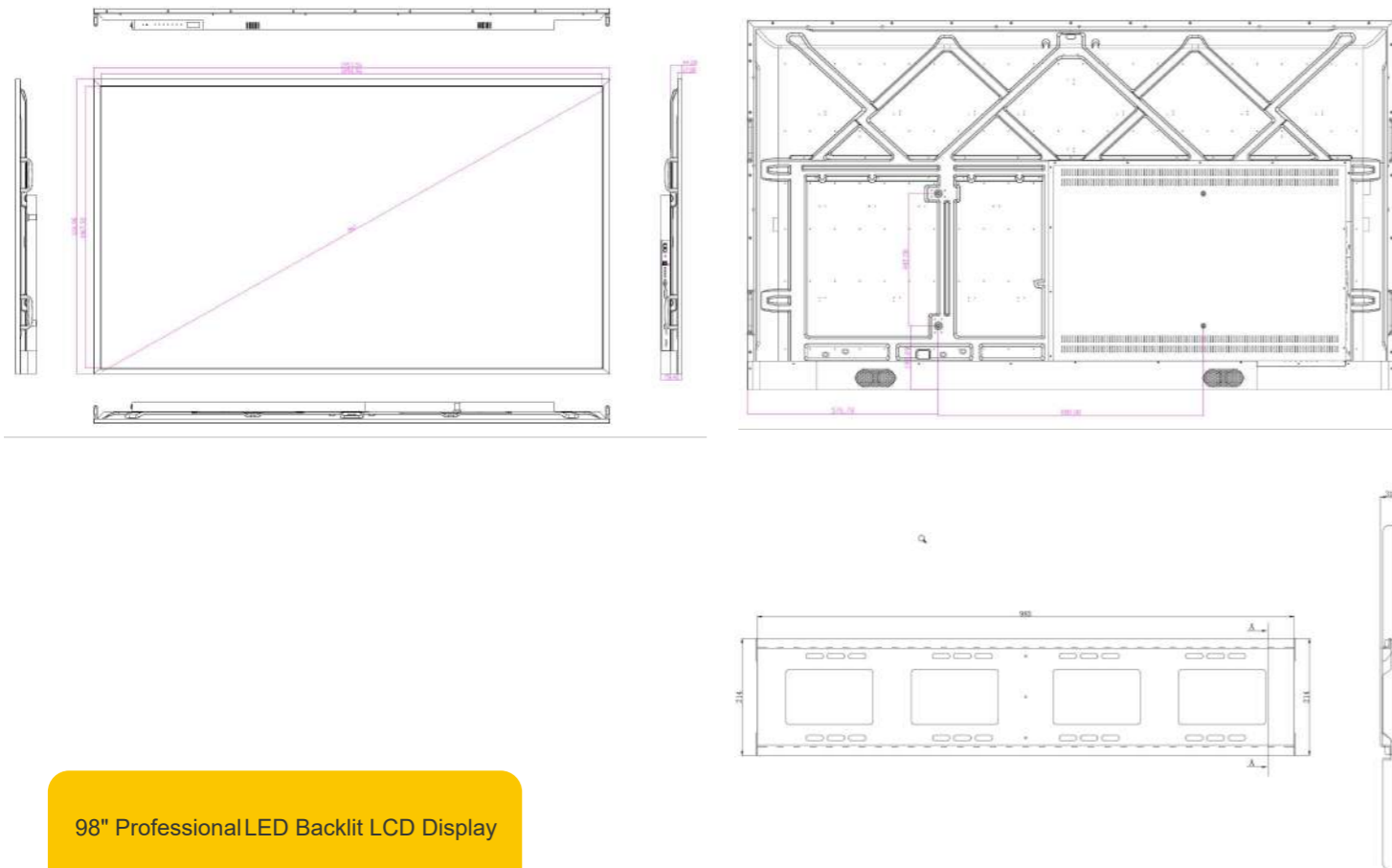
Specifications

Model	U55HDLN	U65HDLN	U75HDLN	U86HDLN	U98HDLN	U110HDLN
Size (inch)	55"	65"	75"	86"	98"	110"
Backlight	DLED	DLED	DLED	DLED	DLED	DLED
NetWeight	20KG	30KG	36KG	50KG	62.3KG	85.7KG
Contrast Ratio	1200:1	1200:1	1200:1	1200:1	1200:1	1200:1
Response time	5ms	5ms	5ms	5ms	5ms	5ms
Viewing Angle	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°
Power Consumption	<100W	<170W	<265W	<380W	<503W	<720W
Brightness (cd/㎡)	450	350	350	400	500	450
Resolution	4K@60Hz	4K@60Hz	4K@60Hz	4K@60Hz	4K@60Hz	4K@60Hz
Bilateral Border	1.07B					
Signal input	HDMI / DVI / VGA / RS232 / DP / USB2.0					
Aspect Ratio	16:9					
Power Supply	100-240VAC, 50/60 Hz					
Control method	RS232/RJ45,IR					
Packing size (W×H×D)	1345mmx850mmx150mm	1625mmx1065mmx220mm	1850mmx1180mmx30mm	2095mmx1320mmx240mm	2390mmx1460mmx260mm	2500mmx1431.84mmx81.8mm

Machine size specification 75"



Machine size specification 86"



98" Professional LED Backlit LCD Display

Machine size specification 98"

