

## DS-D2046NL-B LCD Display Unit

### Overview

The DS-D2046NL-B LCD display unit adopts the SAMSUNG DID ultra-slim panel technology with bi-side seam as only 5.3mm wide between neighboring units. Since it is designed for industrial display, it can work for 60,000 hours far longer than the lifespan of common household ones. The monitor has a built-in jointing controller enabling the self jointing of the video signal. Besides, it has abundant interfaces for video inputs, as HDMI, VGA, DVI and YPbPr, and various control methods are supported.



### Key Features

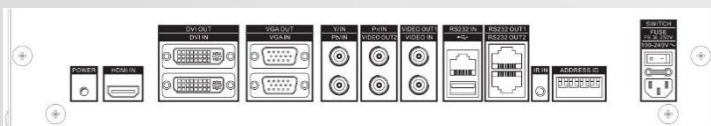
- LED Direct-lit backlight with uniform brightness and no boundary shadow;
- High resolution, and delicate image with rich color;
- Large display area and light weight;
- Long display lifespan;
- Multiple loop output interfaces support self-joint of multiple signals;
- Ultra-slim bi-side seam;
- Multiple jointing methods, applicable for various scenes;
- High definition, high brightness and high color gamut;
- Stable running and low maintenance cost, supporting 24 hours continuous working;
- DID LCD screen with 178° wide angle;
- Intelligent fan with less noise;
- Metal casing enhances the function of anti-radiation, anti-magnetic field and anti-electric field interference;
- Capable of displaying signal source and running status;
- Working humidity: 10%~85%, able to work under harsh environment.

### Model:

DS-D2046NL-B

### Physical Interface

Real Panel of DS-D2046NL-B



Name	Description
POWER LED	Power indicators; red when standby; green when working; orange when fan malfunction
HDMI	HDMI input
DVI-IN	DVI-I input interface for digital signal
DVI-OUT	DVI-I output interface for digital signal, able to loop output HDMI or DVI
VGA-IN	VGA analog signal input
VGA-OUT	VGA analog signal loop output
Y,Pb,Pr	Y,Pb,Pr signal input, BNC interface
AV-IN	AV signal input, BNC interface
AV-OUT	AV signal loop output, BNC interface
USB	USB interface used for software upgrade
RS232 IN	Serial input
RS232 OUT	Serial loop output
IR JACK	External interface for remote control, 3.5mm stereo audio interface
ID SW	ID address encoder; the top four are vertical coordinate BCD code; last four are horizontal coordinate BCD code



# DS-D2046NL-B LCD Display Unit



<b>Model</b>	LCD Display Unit	DS-D2046NL-B
<b>Display</b>	Diagonal Size (inch)	46"
	Backlight	LED Backlight (Direct type)
	Panel	S-PVA
	Resolution	1920×1080
	Color	16.7M
	Visual Angle	Horizontal: 178°, Vertical: 178°
	Response Time	8ms (G to G)
	Contrast	4500:1
	Brightness	500cd/m <sup>2</sup>
	Dot Pitch (H×V)	0.53025mm×0.53025mm (0.021"×0.021")
	Color Saturation	92%
	Screen Moving Area (H×V)	1018.08mm×572.67mm (40.08"×22.55")
	<b>Side Frame Size</b>	Physical Seam
<b>Interface</b>	Input Interface	VGA×1, DVI×1, BNC×1, YPbPr×1, HDMI×1
	Output Interface	VGA×1, DVI×1, BNC×2
	Control Interface	RJ45 for RS-232
<b>Power</b>	Power Consumption	111 W
	Power Requirement	90~264VAC, 50/60Hz
<b>Working Environment</b>	Operating Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)
	Operating Humidity	10%~85% (No Condensation)
	Working Life	≥60,000 Hours
<b>Physical Features</b>	Dimension (W×H×D)	1023.8mm×579mm×132mm (40.31"×22.77"×5.20" )
	Frame Width	0.14" (Left/Upper), 0.067" (Right/Lower)