DS-D2046NL-C
LCD Display Unit

Overview

The DS-D2046NL-C LCD display unit adopts the SAMSUNG DID ultra-slim panel technology with bi-side seam as only 3.5mm wide between neighboring units. It is equipped with LED direct-lit backlight with uniform brightness and no boundary shadow. 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 DVI, VGA, HDMI and YPbPr, and various control methods are supported.
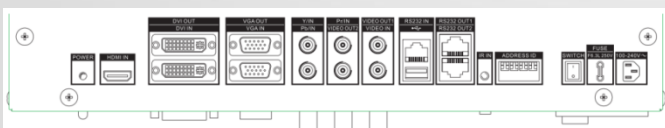
Key Features

- LED Direct-lit backlight with uniform brightness and no boundary shadow;
- Resolution:1920×1080;
- High display resolution, and delicate image with rich color;
- High definition; high brightness; high color gamut;
- DID LCD screen with 178° wide angle;
- Large display area and light weight;
- Longer display lifespan;
- Multiple jointing methods, applicable for various scenes;
- Ultra-slim bi-side seam;
- Stable running and low maintenance cost, supporting 24 hours continuous working;
- Metal casing enhances the function of anti-radiation, anti-magnetic filed and strong electric field interference;
- Working humidity: 10%~85%, able to work under harsh environment.

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Physical Interface
Real Panel of DS-D2046NL-C

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
YPbPr	YPbPr 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

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Model	LCD Display Unit	DS-D2046NL-C
Display	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/㎡
	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")
Side Frame Size	Physical Seam	3.5 mm (0.14")
Interface	Input Interface	VGA×1, DVI×1, BNC×1, YPbPr×1, HDMI×1
	Output Interface	VGA×1, DVI×1, BNC×2
	Control Interface	In: RS-232, Out: RS-232×2
Power	Power Consumption	139 W
	Power Requirement	90~264VAC, 50/60Hz
Working Environment	Operating Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)
	Operating Humidity	10%~85% (No Condensation)
	Working Life	≥60,000 Hours
Physical Features	Dimension (W×H×D)	1022.08mm×576.67mm×120.3mm (40.24"×22.70"×4.74")
	Frame Width	0.09" (Left/Upper), 0.047" (Right/Lower)

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