

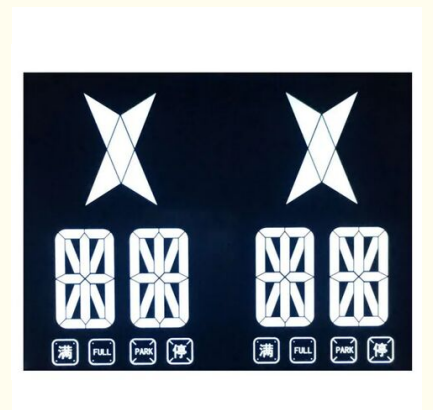
Vertical Align Elevator LCD Screen with Ultra-high Contrast and Ultra-Wide Viewing Angle for Low Power Consumption

Basic Information



Product Specification

- Storage Temperature: -40°C To +85°C
- Operating Voltage: 4.8v
- Driving Condition: 1/2 Duty, 1/2 Bias
- Luminance: 200 Cd/m²
- Operating Temperature: -25°C To +65°C
- Backlight Technology: LED
- Viewing Area: 129.0 X 94.0 Mm
- Connection: PIN



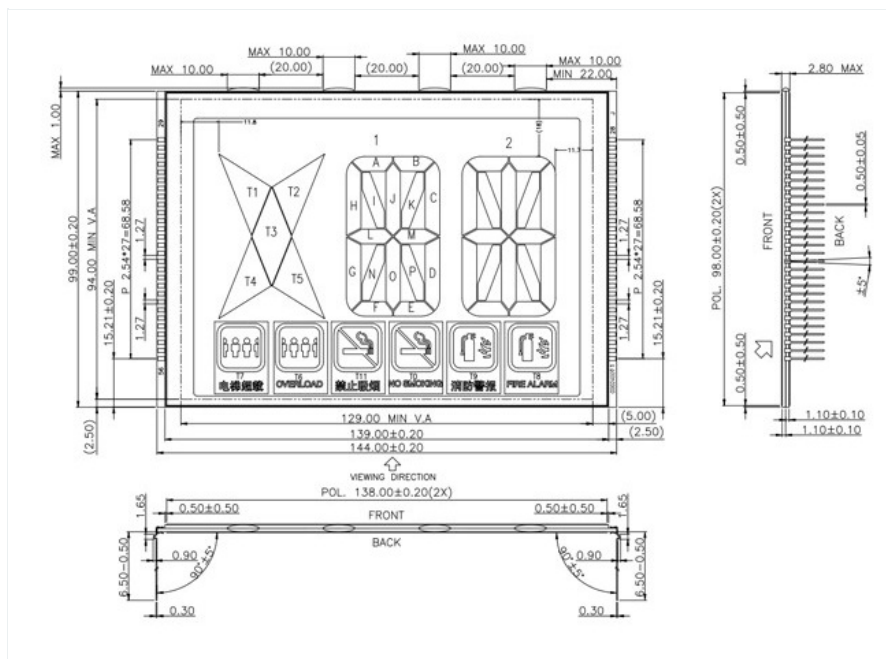
Product Description

Vertical Align Elevator LCD Screen, Monochrome VATN LCD Display

Product Specifications

Product	Elevator VATN LCD	Glass	VATN, Negative, Transmissive
Driving Condition	1/2 Duty, 1/2 Bias	Operating Voltage	4.8V
Optics	All Viewing Angles 80/80/80/80	Outline Dimension	144.0 X 99.0 X 2.8 mm
Viewing Area	129.0 X 94.0 mm	Backlight	White
Operating Temp	-25°C to +65°C	Storage Temp.	-40°C to +85°C
Connection	Metal Pin	Compliance	REACH & RoHS Compliant

Technical Drawing



Technical Principle

VATN (Vertically Aligned Twisted Nematic) is a high-end single-color LCD technology. Unlike traditional TN screens, the liquid crystal molecules in this technology are perpendicular to the substrate when the power is off, completely blocking the light and presenting a pure black background; when the power is on, the molecules tilt, allowing the light to pass through and form high-contrast white characters, achieving true black and white display.

Key Features

- Ultra-high Contrast: Up to 120:1, black background with white text is sharp and clear, readable even in strong light
- Ultra-Wide Viewing Angle: Horizontal approximately 170°, vertical approximately 110°, clear viewable from any angle in the elevator
- Pure Black Display: No gray scale, no ghosting, clean and professional visual effect
- Low Power Consumption: Simple driver, energy-saving backlight, suitable for long-term stable operation of the elevator
- Temperature Resistance and Durability: Industrial-grade temperature range (-20 ~ +70), anti-interference, long lifespan
- Display Modes: Negative (black background with white text), Transmissive Type, compatible with LED backlight (white / green / yellow / blue)

Specifications and Structure

Size: Commonly 128×64, 160×32, 240×64 dot matrices, suitable for elevator vertical / horizontal display panels

Interfaces: COG/COB/TAB, supports conductive adhesive strips, zebra paper, pins, FPC connections

Backlight: High-brightness LED, selectable colors (white / green / blue)

Appearance: Ultra-thin, narrow bezel, suitable for elevator car / lobby exterior panel installation

Advantages Compared with Traditional LED / Ordinary TN

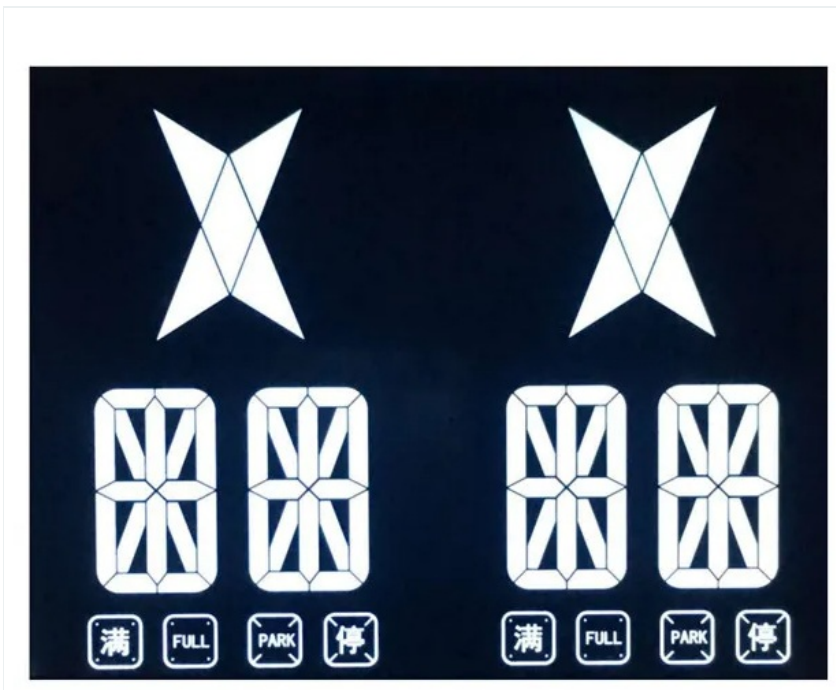
More professional visual effect: Pure black background with white text, clearer and more sophisticated than LED

Wider viewing angle: Multiple people in the elevator can see clearly from different angles

Lower power consumption: More energy-efficient than LED, suitable for long-term operation of the elevator

Longer lifespan: Industrial-grade LCD, without LED degradation issues

More flexible installation: Ultra-thin and narrow bezel, compatible with various elevator panels





Our Services

Free repair within one year after the shipment of products from us

Replacement within 30 days after the shipment of products from us due to products' problems

We can print your logo and stick your model number on the cameras

We have long cooperation with many shipping companies and our export volume is large. The shipping companies can offer us good discounts

Professional technician supports. We have a good after-sales service team. They can solve your problems in time

All goods will be inspected and tested by our engineers and QC/QA before packing and shipment

Customer satisfaction is most important to us. If you have any problem or questions regarding our transaction, please contact us by Email or online. It will be responded within 24 hours

Products pictures only for your reference. Please kindly refer to the specification. We can provide the products based on the specification, or you can offer your own specification or drawing. We can customize all kinds of LCD displays for you

Frequently Asked Questions

I want the LCD display 8 digits and the outline size is 65x30x2.8mm. Is this possible?

No problem. Firstly, please kindly send us your specification/drawing paper. If you don't have the specification, you can also provide your samples; we will recommend the suitable one if it is standard products. Or we can customize for you based on your own requirement.

This LCD is just what we want, but it is big size. Do you have any smaller size? And the display content need to be changed a little.

For the segment type LCD module, if you need to modify the outline size or display content, a new LCD glass module is needed. We have to open new tooling for you.

This LCD display is HTN type, but I want STN type. Can you make?

That's all right. We can change for you as per your request.

I want to customize a new LCD module. Can you do?

Yes, we can. Please send your drawing paper. If you don't have one, please advise me the outline size of the LCD display, display information (Glass thickness, Polarizer, Display Type, Connector mode, Storage Temp, Operating Temp, Supply Voltage, Viewing direction, drive condition). We can customize for you.

What is leading time for tooling?

Generally speaking, it will cost 15 to 25 days after drawing paper confirmation and tooling charge payment. We can report you the exact time when you confirm the drawing paper.

Can you send us samples for checking?

Yes. Samples order is available.

What is the Leading Time?

If we have stock for the standard ones, the leading time is one day after payment. If it is the mass production for special ones, the leading time is about 15-30 days. If we can finish earlier, we will report the information in advance.

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