

AY-LCD-5500-LD-L1

55-in TEMPEST LEVEL 1 LCD MONITOR WITH 5mm BEZEL AND DIRECT-LED BACKLIGHT

PRODUCT DESCRIPTION

The **AY-LCD-5500-LD-L1** represents the latest development in the field of THIN-MULLION Bezel LCD monitors for video walls. The new monitor provides a screen diagonal of 55 inch (139 cm) with Full HD resolution (1920x1080 pix). High definition image quality, high contrast, best brightness and the thin-mullion bezel are the main features of the new TEMPEST LEVEL 1 LCD Monitor, with DisplayPort input/output, this monitor can be used as a video wall.

NEW FEATURES

24/7 Continuous Use

Designed for 24/7 continuous use in control rooms, command centers and VTC application.

Video Wall Option

With DisplayPort input/output options, this monitor can be used in a maximum 2x2 video wall display configuration.

Pixel Shifting (adjustable)

Continuous shifting of the entire image in different directions prevents image sticking. At normal viewing distance, this is almost not visible. If required by the application, the shifting area can be adjusted manually.

Dynamic Pixel Refreshing (adjustable)

A special system driving the TFT cells avoids image sticking and increases display lifetime considerably.

Soft Picture Mode (adjustable)

An intelligent scaling mechanism smooths out extreme contrast transitions. This process avoids the so called boundary line image sticking, which occurs at "sharp" transitions (e.g. black to white). If required, the degree of "softening" can be adjusted manually.

Temperature Control System (adjustable)

Active temperature control, monitors the heat level and controls the fan.

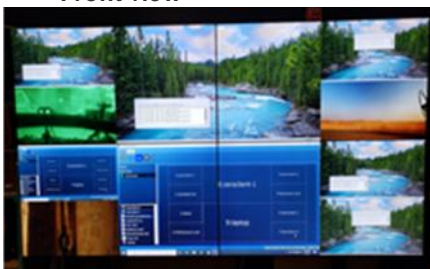
IMAGES



Front View



Rear View



VideoWall

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TECHNICAL SPECIFICATION

LCD PANEL

Model Name:	AY-LCD-5500-LD-L1
Panel Type:	a-Si TFT
Installation:	Landscape/Portrait
Active Screen Size:	54.64 inch (ca. 138.8 cm)
Display Mode:	Transmissive mode, normally black
Display Resolution:	1,920 × 1,080 Pixel (Full HD)
Colors:	1.07G (10-Bit Color Processing)
Brightness:	400 cd/m2 (typ.)
Contrast:	1400: 1 (typ.)
Viewing Angle:	178° H/V
Response Time:	12 ms
Backlight:	Direct LED
Backlight Life-Time:	> 60,000 hrs (Luminance < 50%)
System MTBF:	> 60,000 hrs
24/7 Operation ¹ :	Yes (recommended operation: 20/7)

CONNECTORS & CONTROL

Input:	DP (fiber), DVI-D
Output:	DP (fiber)
OSD:	RS232

MECHANICAL

Display:	47.95 x 27.12 x 5.32 inches (W × H × D)
Bezel Width:	5mm (subject to vary within mechanical tolerances of the panels)
Weight:	83 lbs
VESA Mount:	400 × 600

OPERATING CONDITIONS

Power Consumption:	ca. 210 Watt (max.)
Input Voltage:	100V – 240V AC, 50/60 Hz
Operating Temperature:	typ. 0 - 40 °C
Humidity:	typ. 10-80 % RH (no condensation)

OTHER

Handling:	Handles on rear for simple and safe transport and installation
Ventilation:	Low noise fan

OPTIONS

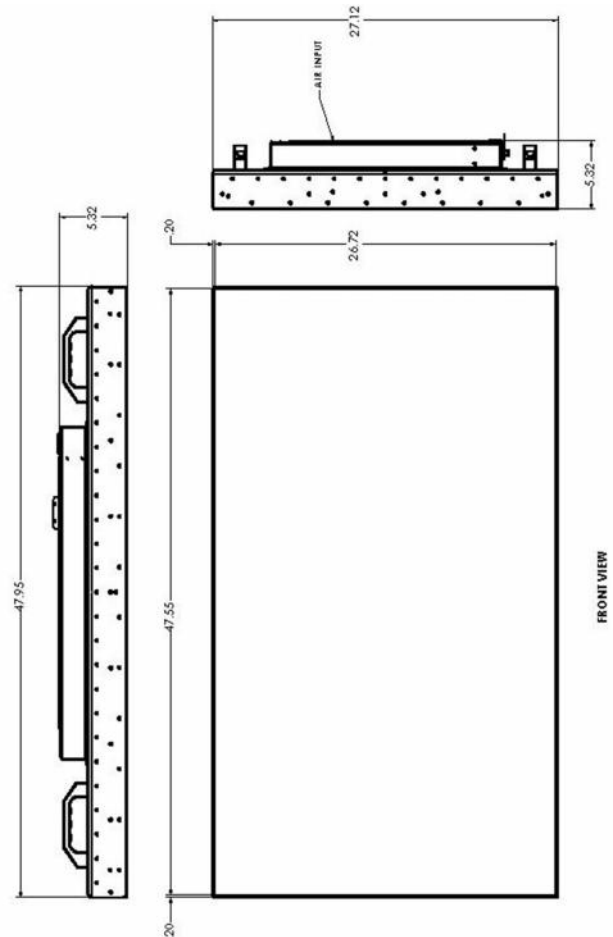
Processing Unit (-EPU):	The optional embedded PC solution provides additional functionalities for the displays regarding signal connectivity and control, and allows their simple integration in the fully network-based MetaWall concept.
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THE ADVANTAGES AT A GLANCE

-) 55-in screen diagonal (ca. 139 cm)
-) Full HD resolution (1,920 × 1,080 Pixel)
-) Gap Active-to-Active: 10mm
-) Direct LED backlight for uniform illumination and brilliant colors
-) Optimized power consumption
-) Internal matrix function for signals and control (option)
-) Robust metal design for demanding applications

APPLICATIONS

-) Video Teleconferencing (VTC)
-) Control Rooms (e.g. for Video Surveillance)



Approval Status

AYON CyberSecurity products are routinely tested and certified for compliance with TEMPEST and Military Standard specifications by various U.S. Government Agencies. Products can also be designed and configured to meet custom specifications as required by individual customer demand.

Warranty One-year parts and labor; Lifetime TEMPEST Integrity

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