



# The Next Generation of LCD Video Walls

GPO Display's NEX-Series LCD Video Walls provide superior connectivity, improved daisy-chain capabilities, and a wide range of bezel and brightness options for the most demanding applications

## **Extended daisy-chaining of 4K video signals**

Next Gen models support daisy-chaining of 4K/60Hz signals via DisplayPort through arrays as large as 5x5. This makes large video walls visually stunning, easy to configure, and cost-effective.

## **Image Rotation**

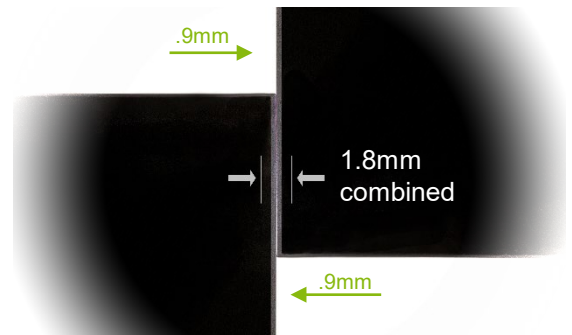
NEX-series displays feature built-in image rotation and image flipping, making it easier for users to display a wide range of content types without a costly processor or adjustments at the source level.



# Features

## Extreme Narrow Bezel

Extreme Narrow Bezel (ENB) displays feature a tiled gap of 1.8mm (0.9mm even bezel on all sides of the display). This Extreme Narrow tiled gap makes for truly stunning arrays at any size.

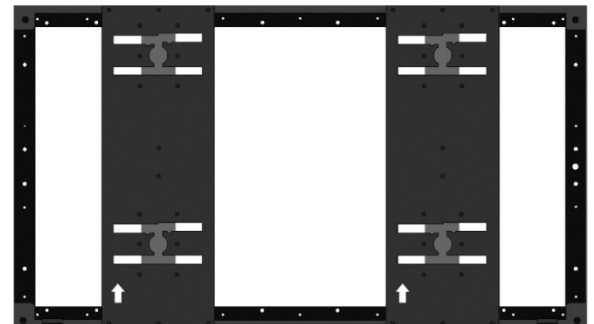


## Extended 4K/60Hz daisy-chaining

Next Gen video walls allow for the daisy-chaining of video walls up to 5 wide by 5 high via DisplayPort, supporting signal resolutions up to 3840x2160 at 60Hz. Unlike displays which daisy-chain via HDMI or DVI, Next Gen video wall displays support 4:4:4 color space at 4K/60Hz. This makes for large, stunning video wall arrays showing 4K content without compression.

## Auto-Aligning H-Mount

GPO Display's exclusive H-Mount video wall mounting system ensures quick, easy installation with virtually automatic alignment. The H-Mount frame matches the outline dimensions of the display, making for less measuring & re-measuring during the installation process. The unique channel system allows for access to individual displays without the dismounting of neighboring displays. H-Mounts even come with side covers/trim at no additional cost. Most importantly, H-Mounts prevent shifts in alignment over time- an issue commonly associated with front-accessible mounting solutions. For video wall arrays with three or fewer rows of displays, the H-Mount is the ideal solution.



# Features

## Expanded input connectivity

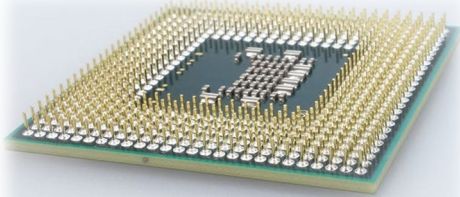
NEX-series displays feature five 4K-capable inputs. All three HDMI 2.0 inputs and both DisplayPort 1.4a inputs are HDCP 2.2 compliant. Each input is capable of receiving up to a 3840x2160/60Hz signal, which can then be carried through the DisplayPort daisy-chain allowing for large, impactful arrays with minimal headend equipment.

HDMI™

X3



X2



## State-of-the-Art scaling

GPO Display uses the highest-grade scaler chips in our video wall solutions, ensuring a clean, crisp image with minimal frame lag. Dynamic backlight control ensures a maximum dynamic contrast ratio for deep, true blacks and vibrant video. Enhanced noise reduction and ghost/ringing reduction filter minimize unsightly artifacts.

## Master set control

Users can define a “Master Set” which allows for the control of all displays at once using a single IR remote controller. This is a convenient control option for cases where a costly third-party control system is out of reach. GPO Display’s control software also presents a no-cost, easy control option via serial or Ethernet.

# NEX55HLE

## Panel Attributes

Screen Size (Diag.)	55"
Panel Technology	Commercial-grade IPS / Direct-LED backlight
Resolution	1920 x 1080
Pixel Pitch (mm)	0.53025 (H) x 0.53025 (V)
Surface Treatment	Hard coating (3H), Anti-glare treatment of front polarizer
Brightness (Typ.)	700nit
Contrast Ratio (Typ.)	1,400:1 / 500,000:1 (DCR)
Displayable Colors	10bit(D), 1.07 Billion colors
Viewing Angle	178° (min) / 178° (min)
Response Time (Typ. GTG)	12ms
Aspect Ratio	16:9
Tiled Bezel Width	1.8 mm (combined)
Refresh rate	60Hz

## Dimensions, Power & Other

Dimension (W x H x D) , Weight(typ.)	Net	47.69" x 26.86" x 3.49" , 54lbs
	Gross	53.5" x 33" x 12" , 70lbs
VESA Pattern (mm)		600 X 400
Electrical Ratings		AC 100 - 240V (50/60Hz)
Power Consumption (Typ.)		230W / 2.8A
BTU rating (Typ.)		784
Mullion Compensation		SICP software or Remote control
Operating Temperature		32°F - 104°F
Operating Humidity Range		10~90%
Possible Display Type		Landscape and Portrait-Compatible
Industrial Reliability		60,000+ Hours
Warranty		Three Years – Cover 3 / Quick 3

## Connectivity

DisplayPort	2 x Input, 1 x Output
HDMI (up to 3840 x 2160)	3 x Input
RS-232	1 x Input, 1 x Output
Ethernet (RJ45 for control & monitoring)	1 x Input
USB (for service only)	1 x Input
Audio (3.5mm jack)	1 X Output

## Overheat Prevention System

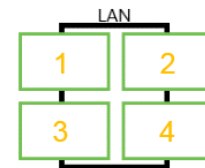
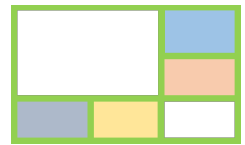
In order to prevent dangerous overheating, a warning message will appear for one minute when overheating occurs, followed by preventative, automatic powering off of the displays



## Quick Presets Function

Abbreviated serial commands allow users to get the most out of their video walls without a costly windowing processor or matrix switcher with scaling capabilities.

Quick Presets allow you to recall a source layout with a single serial command, reducing transition times between presets and minimizing costly, time-consuming programming of control systems.



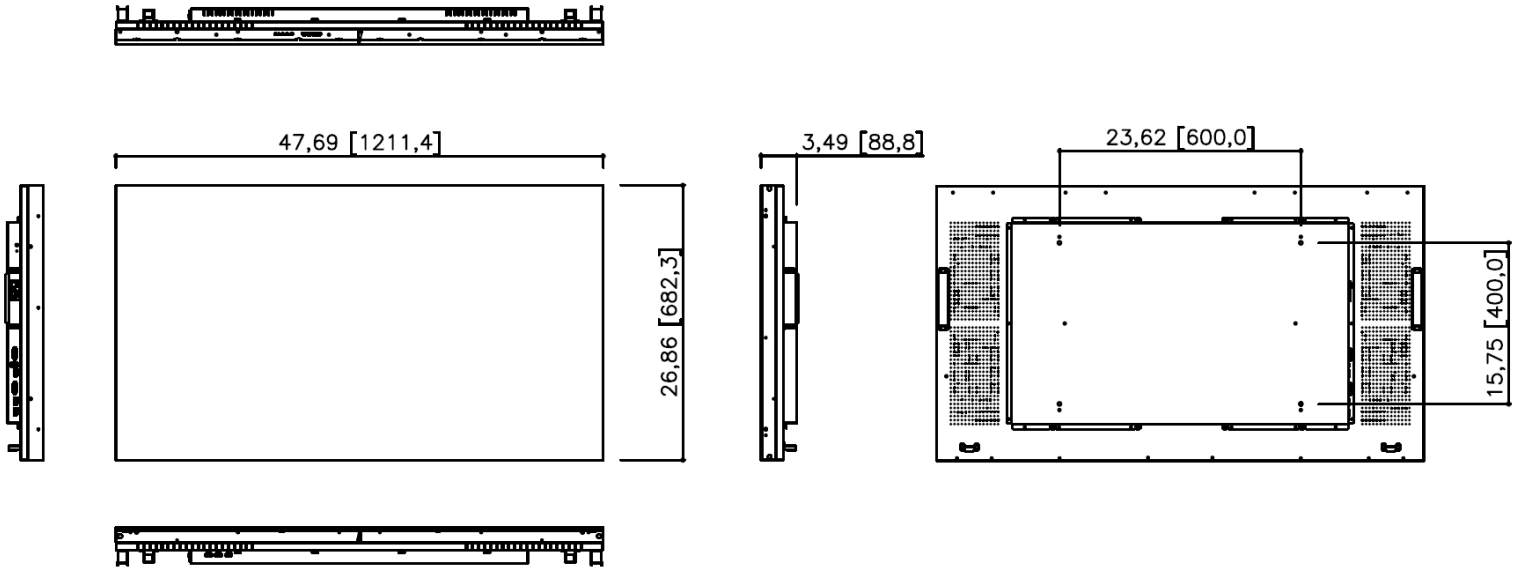
## IP and RS-232 control options

Users can control NEX-series displays via IP-based control or RS-232. In cases where no third-party control system is in place, GPO Display's video wall control software is an easy-to-use alternative included at no additional cost.

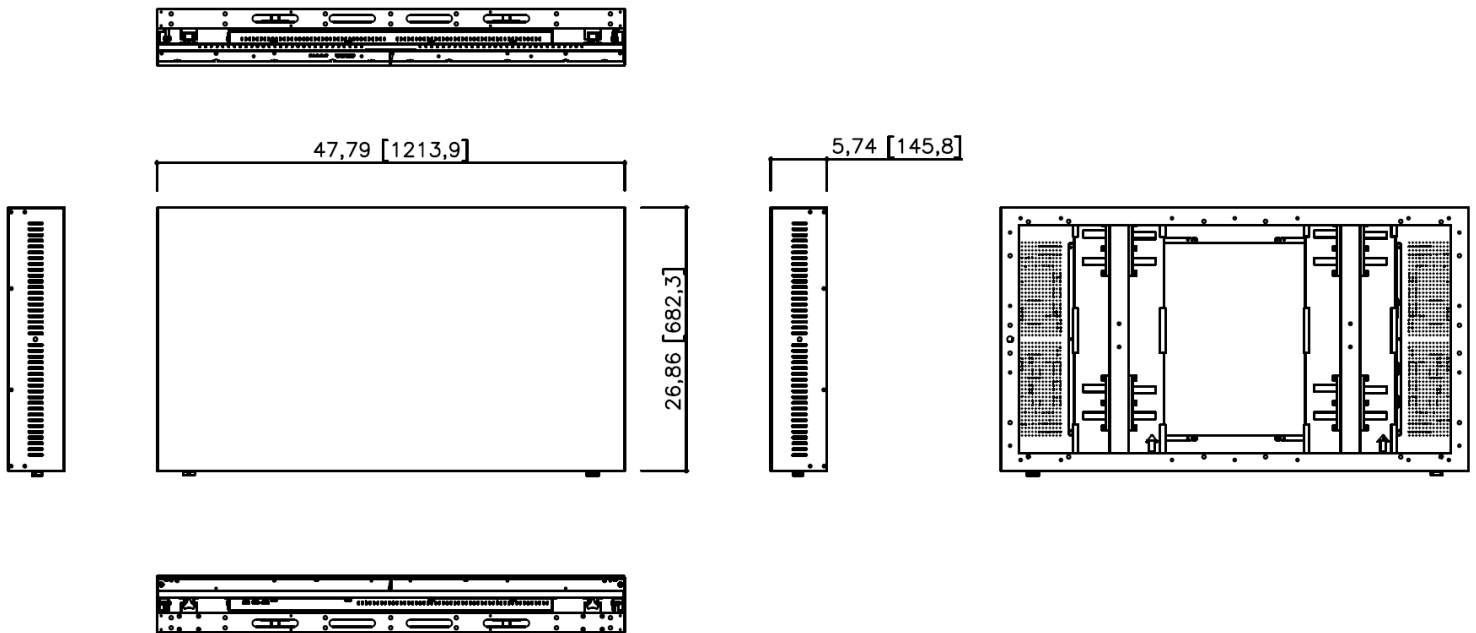
- 24/7/365-Rated
- Built-in Video Wall Processor (up to 11x11 Natural Mode)
- On/Off scheduler (no separate control system required)
- Includes [Video Wall Control Software](#)
- Includes necessary cables for daisy-chain of both control and video signals

# Mechanical Drawing

## Set Drawing



## Set + H-Mount Drawing



Note: GPO Display may change specifications and designs without notice

Accessories with product: RS-232 cable, DP cable, AC Power Cord, Remote Control, Batteries for remote control, User manual & Software on USB Flash Drive

