

## Pinnacles LED Display Series

The Pinnacles LED Display series delivers a creative indoor display solution that captures and maintains customer’s attention. The 64-80% transparency display back-drop allows natural light to pass through the display while the high brightness maintains a clear and bright image for maximum engagement. This dynamic display series combines innovation, vitality and wide visibility to create a strong visual impact on customers or those passing-by.

The Pinnacles Series provides a robust signage solution from lighting store front windows to hang in large atriums. The creative uses for this clear display range from being a front drop to a mirror in a workout studio to covering the ceiling throughout a walkway in a mall. The customizable pixel pitch allows for countless configurations of this crystal clear display.

### Great option for:

- Windows
- Retail
- Malls
- Studios / Art Studios
- Indoor Building Facades
- Large Exterior Facing windows
- Hotels/Banks
- & countless other applications



#### Pixel Pitch

- 10 mm
- 16 mm
- 20 mm

#### Brightness

- 1500 nits
- 5000 nits
- 6000 nits
- 6500 nits
- Adjustable

#### Resolution Capabilities

- HD
- 2K

#### View Distance

- 30 ft +
- 48 ft +
- 60 ft +

#### Mounting Options

- Suspended
- Wall mount
- Ceiling mount
- Tile to tile mounting hardware included

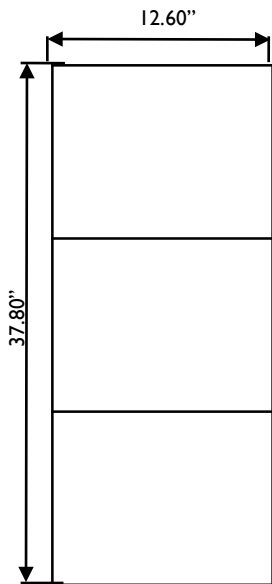
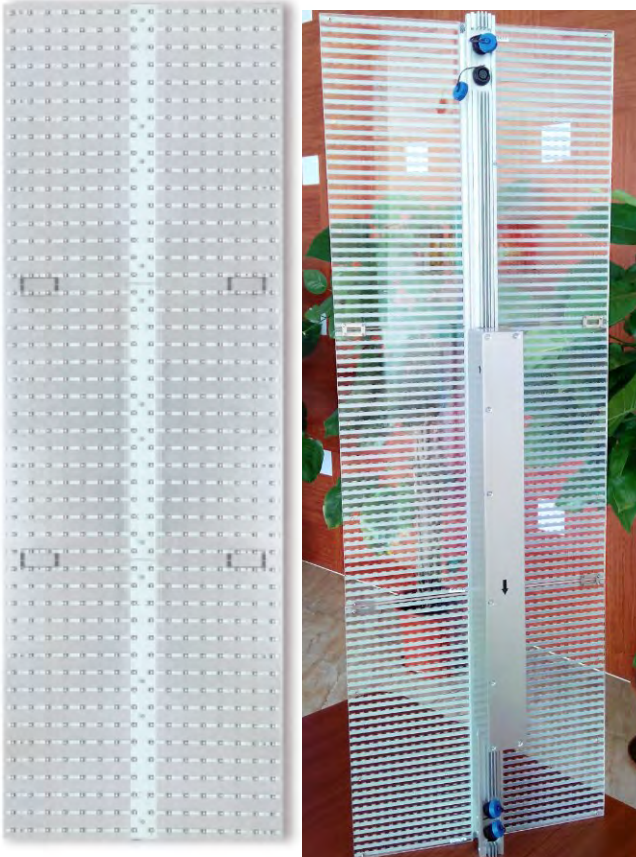
#### Tile Size

- 12.6" x 37.8"
- 3.34 ft<sup>2</sup>
- 18.9" x 32.24"
- 3.98 ft<sup>2</sup>

#### Warranty

- 6-Year Warranty - Includes labor
- 15-Month Lease to Upgrade Option
- 36-Month Lease to Own Option

# Pinnacles 10P - 3A



**Front Module Matrix**

## Design

- Screen Size (area) 3.34 ft<sup>2</sup>
- Tile Size (WxHxD) 12.60" x 37.80" x 4.33"
- Aspect Ratio 1:3
- Tile Weight 10 lbs
- Cabinet Material Aluminum and PMMA
- Operating Temperature/Hum 32F - 113F / 10 - 90% RH
- Viewing Angle H:120 ; V:100
- Lifetime >100,000 hours

## Picture Quality

- Pixel Pitch 10 mm
- Resolution 32 x 96 pixels
- Refresh Rate 1920 Hz
- Transparency 64%
- Brightness Option 1 1500 nits
- Brightness Option 2 6000 nits
- Pixel Density 3,072 pixels

## LED Features

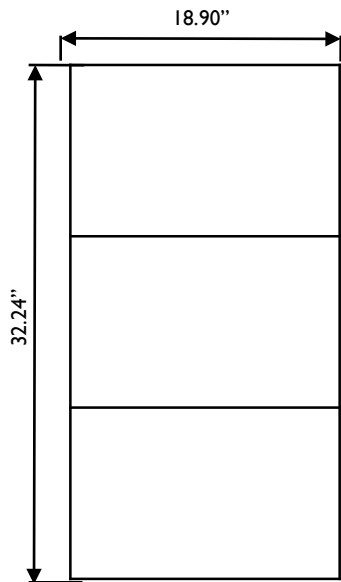
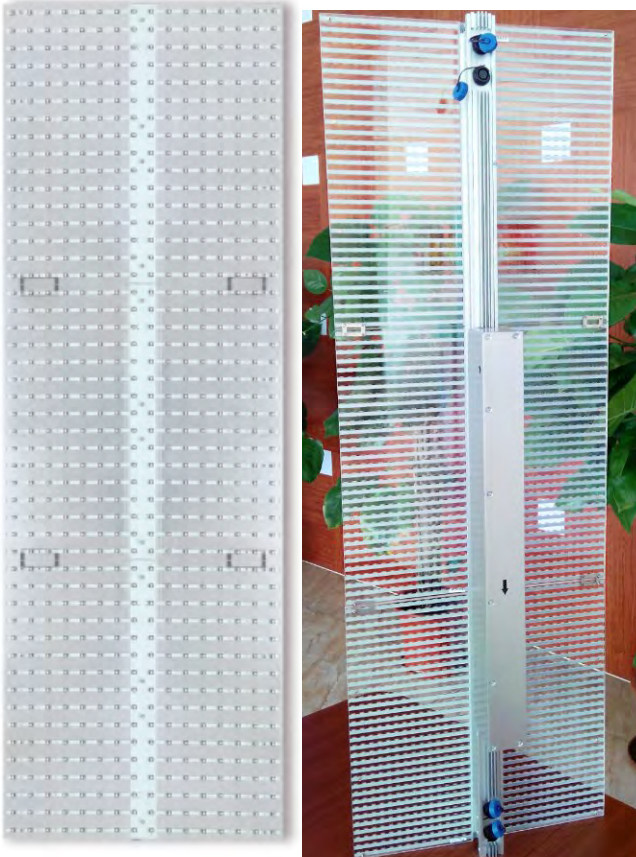
- Color Temperature 2000K - 9300K
- LED Type SMD3528

## Electrical Characteristics

- Power Consumption 80 W/Panel TYP / 260 W/Panel MAX
- Amp Draw See Performance Specs
- Power Supply Options 120 VAC std / 277 & 480 VAC Option
- Tile Interconnect Cable RJ45 Cable
- Control Input DVI, HDMI, USB

Accessories Included RJ45 Connectors, HDMI-DVI, USB.B-USB

# Pinnacles 16p - 4A



**Front Module Matrix**

## Design

- Screen Size (area) 3.98 ft<sup>2</sup>
- Tile Size (WxHxD) 18.90" x 32.24" x 4.33"
- Aspect Ratio 5:8
- Tile Weight 12 lbs
- Cabinet Material Aluminum and PMMA
- Operating Temperature/Hum 32F - 113F / 10 - 90% RH
- Viewing Angle H:140; V:140
- Lifetime >100,000 hours

## Picture Quality

- Pixel Pitch 16 mm
- Resolution 30 x 48 pixels
- Refresh Rate 1920 Hz
- Transparency 75%
- Brightness 5000 nits
- Pixel Density 1,440 pixels

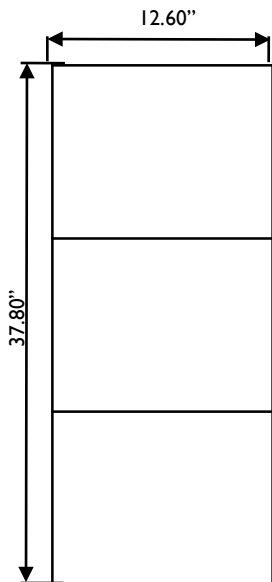
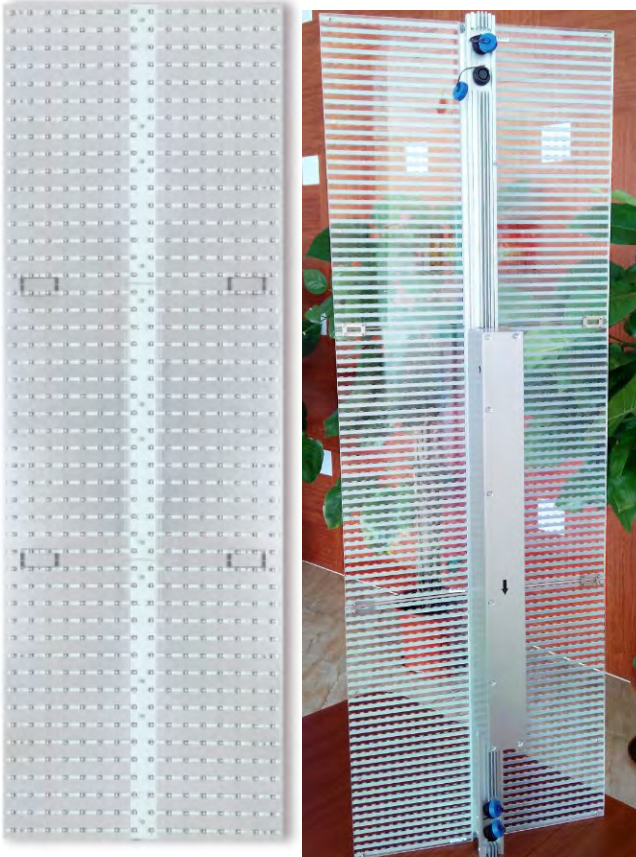
## LED Features

- Color Temperature 6500K
- LED Type SMD3535

## Electrical Characteristics

- Power Consumption 73 W/Panel TYP / 240 W/Panel MAX
- Amp Draw See Performance Specs
- Power Supply Options 120 VAC std / 277 & 480 VAC Option
- Tile Interconnect Cable RJ45 Cable
- Control Input DVI, HDMI, USB
- Accessories Included RJ45 Connectors, HDMI-DVI, USB.B-USB

# Pinnacles 20P - 3A



## Front Module Matrix

### Design

- Screen Size (area) 3.34 ft<sup>2</sup>
- Tile Size (WxHxD) 12.60" x 37.80" x 4.33"
- Aspect Ratio 1:3
- Tile Weight 10 lbs
- Cabinet Material Aluminum and PMMA
- Operating Temperature/Hum 32F - 113F / 10 - 90% RH
- Viewing Angle H:140; V:140
- Lifetime >100,000 hours

### Picture Quality

- Pixel Pitch 20 mm
- Resolution 16 x 48 pixels
- Refresh Rate 1920 Hz
- Transparency 80%
- Brightness 6500 nits
- Pixel Density 768 pixels

### LED Features

- Color Temperature 6500K
- LED Type SMD3535

### Electrical Characteristics

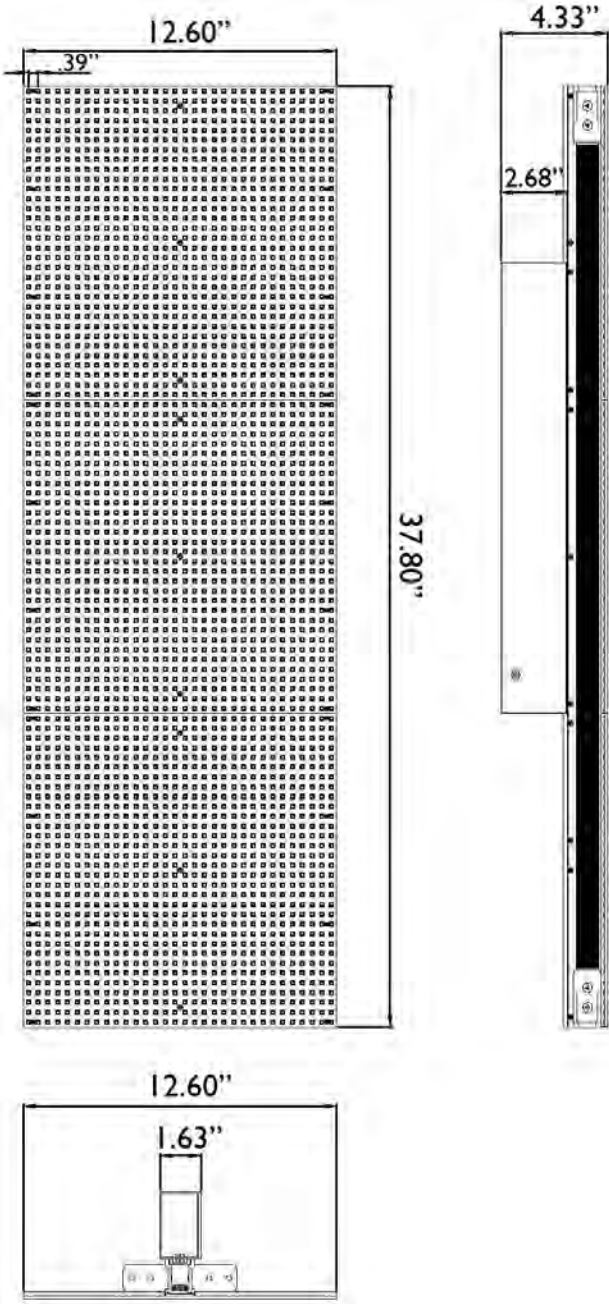
- Power Consumption 80 W/Panel TYP / 260 W/Panel MAX
- Amp Draw See Performance Specs
- Power Supply Options 120 VAC std / 277 & 480 VAC Option
- Tile Interconnect Cable RJ45 Cable
- Control Input DVI, HDMI, USB
- Accessories Included RJ45 Connectors, HDMI-DVI, USB.B-USB

# Physical Attributes – 3A

## Pinnacles 10P & 20P

### Mounting

- Holes along side of display for aligning tiles together
- Modular spine along back of display can be utilized for installation
- Mount directly to wall/ceiling using customers hardware



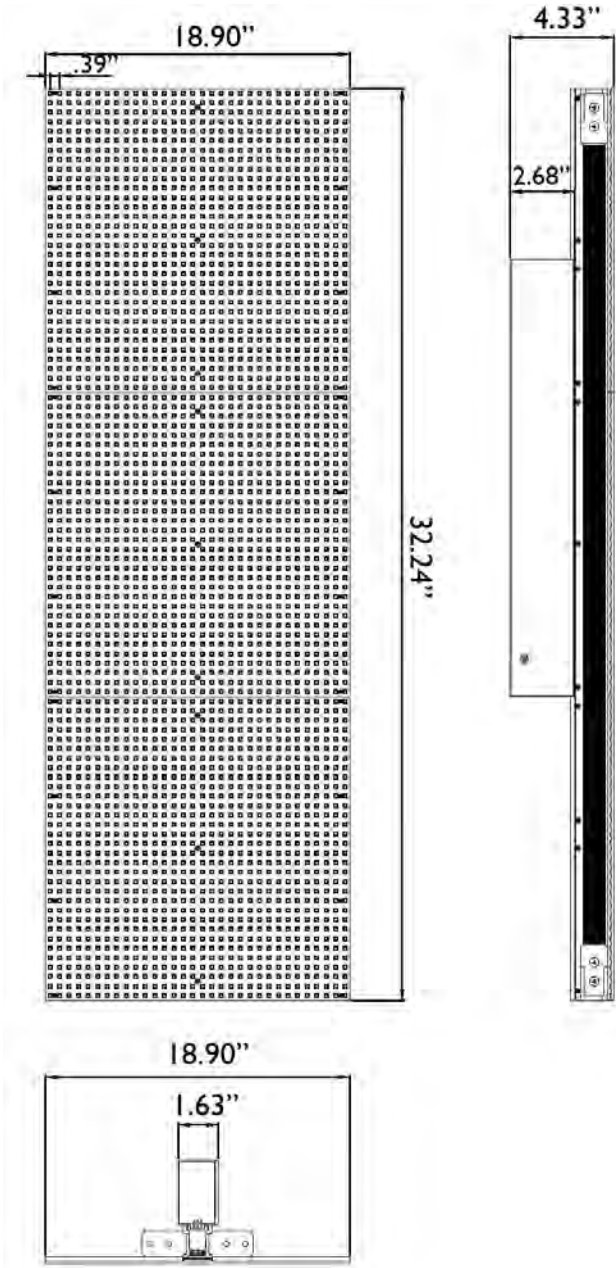
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# Physical Attributes – 4A

## Pinnacles I6P

### Mounting

- Holes along side of display for aligning tiles together
- Modular spine along back of display can be utilized for installation
- Mount directly to wall/ceiling using customers hardware



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# System Specifications

## Electrical Characteristics

All panels come standard with 100 – 240 VAC input. Optional upgrade to 277 and 480VAC available. The driving method is Constant Current. The LED wavelength ranges are R:630-630nm, G:520-535nm, B:465-475nm.

## Software and Control Options

Standard Noribachi Software comes with all Noribachi ALiVE display purchases. Software features allow users to create complex timed schedules; use endless media inputs of images; program videos: URLs; RSS xml files; and date and time options. An optional software upgrade is available for a monthly/yearly subscription fees. Upgrade builds on the standard Noribachi software with more media inputs, remote control of displays from central computer and 24/7 customer support. Additional information on the Noribachi software features is located in the Media section of the ALiVE Product Family Brochure.

## Maintenance

The Pinnacles Series is rear serviceable with the access to the electrical components located at the back of the tiles.

## Video Processor

A video processor is needed when displaying 2K or greater content. Configurations that need a video processor are outlined for this series in the following Performance Specifications section. Video processor specifications are located in the controls section of the ALiVE Product Family Brochure.

## Connecting Tiles

A modular pole is located along the back of each tile to hang or mount display to the desired surface. Holes along the edges of the tiles allow for securing the tiles together and maintaining a seamless display. Programmed media is sent to the tiles and distributed using RJ45 connectors. An unlimited number of tiles can be made into a single video wall. For more Pinnacles Series information or specific mounting questions,, please contact Noribachi Display Support at 855.283.1100.

# Performance Specifications

| Electrical Load |                                 |      |                                  |      |                                 |      |                         |     |  |
|-----------------|---------------------------------|------|----------------------------------|------|---------------------------------|------|-------------------------|-----|--|
| Tile Part No.   | Drive current<br>(Amps @120VAC) |      | Drive Current<br>(Amps @277 VAC) |      | Drive Current<br>(Amps @480VAC) |      | System Power<br>(Watts) |     |  |
|                 | Typ                             | Max  | Typ                              | Max  | Typ                             | Max  | Typ                     | Max |  |
| PCL-10P-BR1     | 0.64                            | 1.92 | 0.28                             | 0.83 | 0.16                            | 0.48 | 77                      | 230 |  |
| PCL-10P-BR2     | 0.67                            | 2.17 | 0.29                             | 0.94 | 0.17                            | 0.54 | 80                      | 260 |  |
| PCL-16P-BR1     | 0.61                            | 2.00 | 0.26                             | 0.87 | 0.15                            | 0.50 | 73                      | 240 |  |
| PCL-20P-BR1     | 0.67                            | 2.17 | 0.29                             | 0.94 | 0.17                            | 0.54 | 80                      | 260 |  |

| Tiles per Standard 20 Amp Outlet |                |                |                |
|----------------------------------|----------------|----------------|----------------|
| Tile Part No.                    | Tiles @120 VAC | Tiles @277 VAC | Tiles @480 VAC |
| PCL-10P-BR1                      | ≤ 10           | ≤ 24           | ≤ 41           |
| PCL-10P-BR2                      | ≤ 9            | ≤ 21           | ≤ 36           |
| PCL-16P-BR1                      | ≤ 10           | ≤ 23           | ≤ 40           |
| PCL-20P-BR1                      | ≤ 9            | ≤ 21           | ≤ 36           |



# How to Order

| Pinnacles Series |               |                       |                |                     |
|------------------|---------------|-----------------------|----------------|---------------------|
| Numbering Order  | Specification | Required or Optional  | Allowed Values | Description         |
| 1                | Series Name   | Required              | PCL            | Pinnacles Series    |
| 2                | Pixel Pitch   | Required              | 10P            | 10 mm Pixel Pitch   |
|                  |               |                       | 16P            | 16 mm Pixel Pitch   |
|                  |               |                       | 20P            | 20 mm Pixel Pitch   |
| 3                | Brightness    | Required for 10P only | BR1            | Standard Brightness |
|                  |               |                       | BR2            | Ultra Bright Option |

Sample Order Code  
**PCL-10P-BR1**

| Control Configuration Needed<br>(Based on quantity of tiles ordered) |                       |                       |                               |
|--|-----------------------|-----------------------|-------------------------------|
| Tile Part No.  | Nori300 Configuration | Nori600 Configuration | Video Processor Configuration |
| PCL-10P-BR1  | 1 - 389 Tiles         | 390 - 649 Tiles       | > 649 Tiles                   |
| PCL-10P-BR2  | 1 - 389 Tiles         | 390 - 649 Tiles       | > 649 Tiles                   |
| PCL-16P-BR1  | 1 - 1248 Tiles        | 1249 - 2083 Tiles     | > 2083 Tiles                  |
| PCL-20P-BR1  | 1 - 1561 Tiles        | 1562 - 2603 Tiles     | > 2603 Tile                   |

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# PINNACLES SERIES

ALiVE Product Family Brochure



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