STAR International VIEW

ProFL Series indoor LED
Narrow Pixel Pitch

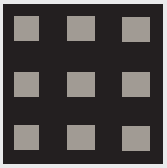
Model: ProFL-1.2 | ProFL-1.5 | ProFL-1.6 | ProFL-1.8 | ProFL-2.0

What is Narrow Pixel Pitch indoor LED ?

By definition, pixel pitch is the distance from the center of an LED element to the center of the next LED element. Our P1.25 mm to P2.0 mm narrow pixel pitch LED is an indoor-exclusive high-definition LED display with a smaller pixel size and pixel pitch than most conventional indoor LED displays. This allows for creating seamless display walls with a wide viewing angle in large installations.

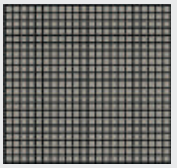
Indoor LED display Starview are specifically engineered to address the needs of demanding control room environments, TV Studio, Meeting room by delivering stunning visuals with innovative features and unbeatable durability and reliability.

Conventional Indoor LED



10 mm pixel pitch

Narrow Pixel Pitch indoor LED



1.53 mm pixel pitch

Features

- Available in P1.25, P1.53, P1.667, P1.83 and P2.0 pixel pitches
- Chip of LED uses Nationstar's SMD LED 3-in-1 with high performance
- High resolution can be up to FullHD or UHD
- Compatible for hanging or free-standing
- Installation environment: indoor (IP33)
- Front & Rear Maintenance Access
- High-definition, bright and seamless visuals with wide viewing angles
- Redundancy: Video Signal Redundancy and Power Redundancy

The new ProFL series further expands Starview's indoor high-resolution LED tiles portfolio. The 640x480mm Cabinet with a pixel-pitch ranging from 1.25mm to 2.0mm deliver superior seamless results, and the series includes all necessary features to maximize the reliability of your LED wall.

It use 4:3 aspect ratio LED Cabinet that makes it easy to configure full HD or UHD resolution and a fine pixel pitch that ensures high visibility from a short distance. This full-colour fine-pitch LED display meets the needs of large screens in various indoor spaces.

Uniform Colors and Brightness all the Time

Starview LED technology guarantees uniform colors and brightness across the display. With this advanced technology, you can mix different batches of tiles and expect the best picture with accuracy and consistency over the lifetime of the display.

High Defintion Displays

Starview ProFL series offers the finest pixel pitch LED display solutions, suitable for the most demanding applications where a fine pixel pitch is a need in a fixed installation environment such as conference room, control room, studio, lobby, airports, shops, etc

Minimal Power Consumption

Power consumption has been a major concern for many LED applications, especially those requiring 24/7 operation. Starview LED displays are designed with optimized power supplies to limit power consumption to a minimum

Long Life Time

Indoor LED display uses Nationstar's SMD LED for life time up to more than 100,000 hours.

Easy to install and maintain

Because these LED tiles are designed for wall mounting, they are fully accessible from the back and/or the front – creating a shallow depth. The improved robustness and the Assisted Module Extraction makes sure the tiles can be easily removed, for maintenance or replacement needs, with a reduced risk of pixel damage.

High reliability

In order to support the use of Direct LED in critical environments and prevent downtime, redundancy of both power and data can be integrated in the ProFL.

Video Signal Redundancy

In the unlikely event of a single-unit failure, other panels will still keep displaying images via two way image transmission throughout the system.

Power Redundancy

Optional power unit provides continuous operation at time of a power module failure.

Indoor LED Display Technology

Starview brings LED video to the next level with its standard package LED display solution. Designed for premier applications that require the highest image quality at the closest viewing distances, this product takes advantage of 3-in-1 SMD (surface-mount device) LED technology to produce exceptional brightness, unsurpassed viewing angles and incredible picture detail. Starview can provide flexible solutions to fit customers' unique display needs, right down to the LED.

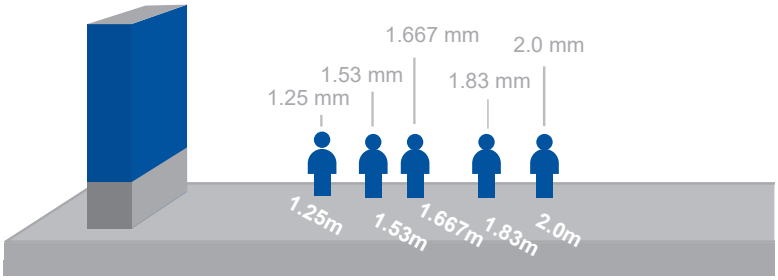
EFFICIENT DESIGN

High efficiency design allows the product to overcome harsh interior lighting conditions without pushing electrical components beyond their capabilities. This saves energy, increases reliability and extends lifetime.

Nationstar's SMD
LED 3-in-1

FLEXIBLE SOLUTION

Indoor applications present many viewing requirements. Which pixel pitch is right for your application? This depends on where your primary audience will be in relation to the display. The chart below represents the approximate minimum viewing distances for each pixel pitch.



Installed For Many Display Applications


Control Room


Meeting Room


Museums / Gallery


Boardrooms

TV Studio

STARVIEW ProFL SERIES INDOOR SPECIFICATIONS					
Model	**ProFL-1.2**	**ProFL-1.5**	**ProFL-1.6**	**ProFL-1.8**	**ProFL-2.0**
Pixel Pitch	1.25mm	1.53mm	1.667mm	1.83mm	2.0mm
Pixel Configuration	SMD1010, RGB 3-in-1	SMD1010, RGB 3-in-1	SMD1010, RGB 3-in-1	SMD1515, RGB 3-in-1	SMD1515, RGB 3-in-1
Pixel Density	640,000 pixels/m²	422,500 pixels/m²	360,000 pixels/m²	295,664 pixels/m²	250,000 pixels/m²
Cabinet Resolution (W x H)	512x384 pixels	416x312 pixels	384x288 pixels	348x261 pixels	320x240 pixels
Best View Distancing	1.25 - 200 m	1.53 - 200 m	1.667 - 200 m	1.83 - 200 m	2.0 - 200 m
Maximum Power	580 W/m²	660 W/m²	660 W/m²	660 W/m²	660 W/m²
Average Power	208 W/m²	258 W/m²	258 W/m²	258 W/m²	258 W/m²
Chip of LED	Nationstar LED with gold wire/copper wire				
Cabinet Size (W x H)	640mm x 480mm (Die-cast Aluminum Slim)				
Modules/Cabinet (W x H)	2x3				
Module Size (W x H)	320mm x 160mm				
Cabinet Weight	7.68 kg				
Driver IC	2163 IC				
Gray Scale	16,384 Shades Per Color				
Brightness	550-660 cd/m² (Adjustable)				
Brightness Adjustable	Manual: 256 levels; Auto: 8 levels				
Contrast Ratio	5000:1				
Refresh Rate	> 3000 Hz (Adjustable)				
Display Colors	4.39 trillion (14-bit)				
Color Temperature	6500±500 °K (Adjustable)				
Viewing Angle (H/V)	160°H / 160°V				
Service Access	Front or Rear				
LED Lifetime	> 100,000 hours				
Protection	IP33				
MTBF	> 100,000 hours				
Frame Rate	> 60 frames/sec				
Defect Rate	≤ 0.0002				
Operating Temperature	-30° ~ 60°C				
Operating Humidity	10% ~ 95%RH				
Line Voltage	AC 110V/220V/380V±10% @ 50/60Hz				
Control Distance	120m (CAT6); Optical fiber: 500m - 10km				
Redundancy	Support Video Signal Redundancy				
	Support Power Redundancy				

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