



HC SERIES

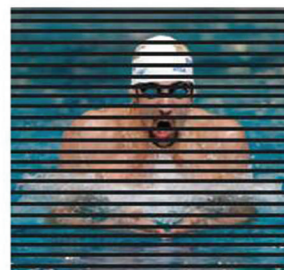
Fine Pixel Pitch LED Display

WHY INSIGHT

- The INSIGHT brand has been officially registered at the Ministry of Law and Human Rights
- More than 10 years experience in Indonesia audio visual market
- We are audio visual Integrator, we offering total solution from design to maintenance
- We provide on site service solution
- We provide content management system service to increase your LED value, we help you to manage the display centrally
- We provide all kinds of LEDs to display your ideas on various types of surfaces such as flat, curved, corner, circular, semi-circular and also rounded

KEY FEATURES

- **High Brightness** 600 - 1.000 Nits
- **High Refresh Rate** 3.840 Hz
- **Alumunium Cabinet** Thin and Light
- **Wide Viewing Angle** V/H : 150°/130° (Maximum)
- **High Contrast Ratio** 3 000 : 1 - 5.000 : 1
- **High Gray Scale** 14 - 16 Bit



LOW REFRESH RATE



HIGH REFRESH RATE

HOW TO CHOOSE YOUR LED

Nearest Audience Distance

This determines the ideal pixel pitch for you. For example, if the closest audience distance is 3 meters, then you can use LEDs with a maximum pixel pitch of 3.0

Aspect Ratio

The LED functions as an output medium, for this reason the aspect ratio of the LED should match the aspect ratio of the input media (PC or laptop), which is 16:9 or 1.78, therefore, if possible, the ratio of the height and width of the LED is 1.78, meaning that the width is divided by with a high size produces a value close to 1.78

Brightness Level

If your room is too bright, or you will place the LED in an area exposed to direct sunlight then use a high brightness LED, basically the brighter the room the better if you use a high brightness LED

Operation Environment

Whether your LED will be placed indoors or outdoors, whether the LED will be installed permanently or changing location will greatly determine the type of LED that must be used

Resolution

Because the content that will be displayed on the LED nowadays has a higher resolution, so if your budget is sufficient, it will be very good if the LED you choose has a minimum resolution of FULL HD. This means that the number of pixels in the horizontal direction is 1,920 pixels and the number of pixels in the vertical direction is 1,080 pixels.

Refresh Rate

Especially if you often use LEDs as a background for podcasts, broadcasts, and other activities that require photo or video documentation, the need for a high refresh rate, which is at least 3,840 hz, is mandatory, if you don't want to be disappointed.

APPLICATIONS



Control Room



Meeting Room



Broadcast Room



Retail Shop



Auditorium



Lobby

SPESIFICATION

Parameter	IN-1530HC	IN-1860HC	IN-2501HC	IN-3001HC	IN-4001HC
LED Type	SMD 1212 (3in1)	SMD 2121 (3in1)	SMD 1515 (3in1)	SMD 2121 (3in1)	SMD 2121 (3in1)
LED Chip	Nationstar	Nationstar	Nationstar	Nationstar	Nationstar
Pixel Pitch	1.538 mm	1.86 mm	2.5 mm	3.07 mm	4.0mm
Module Resolution	208 x 104 = 21632 dots	172 x 86 = 14792 dots	128 x 64 = 8192 dots	104 x 52 = 5408 dots	80 x 40 = 3200 dots
Cabinet Size	640 x 480 mm x 63mm				
Cabinet Material	Aluminium Alloy				
Unit Weight	16.4 Kg				
Pixel Density	422.500 dots/m ²	250.000 dots/m ²	160.000 dots/m ²	105.625 dots/m ²	62.500 dots/m ²
Maintainance	Front maintenance				
IP Grade	IP-45				
Brightness Of White Balance	≥ 1000 cd/m ²	≥ 600 cd/m ²	600 cd/m ²	≥ 600 cd/m ²	≥ 700 cd/m ²
Color Temperature (K)	3000 - 9300 (Adjustable)				
Recommended Viewing Distance (m)	≥ 1.5 meter	≥ 2 meter	≥ 2.5 meter	≥ 3 meter	≥ 4 meter
Horizontal Viewing Angle	120° ± 10°	120° ± 10°	120° ± 10°	140° ± 10°	120° ± 10°
Vertical Viewing Angle	120° ± 10°	120° ± 10°	120° ± 10°	130° ± 10°	120° ± 10°
Max Contrast	≥ 3000 : 1	≥ 3000 : 1	≥ 3000 : 1	5000 : 1	≥ 3000 : 1
Max Module Power Consumption (W/pcs)	≤ 25 watt	≤ 22 watt	≤ 22.8 watt	≤ 21.2 watt	≤ 22.8 watt
Max Power Consumption (W/m ²)	≤ 550 watt/m	≤ 580 watt/m	≤ 457 watt/m	≤ 413 watt/m	≤ 465 watt/m
Working Voltage	DC 5 volt ± 10%				
Driving IC Mode	Constant current driving				
Scanning Mode	1/52 scan	1/43 scan	1/32 scan	1/32 scan	1/20 scan
Refresh Frame Frequency	60 Hz				
Refresh Rate	≥ 3840 Hz				
Grayscale	14 - 16 Bit				
Brightness Control	256 Grade Automatic / Manual				
Color	High color larger than the NTSC gamut range				
Life Span	≥ 100.000 Hours				
Operating Temp (°C)	-10 to 40 °C				
Storage Temp (°C)	-20 to 60 °C				
Operating Humidity (RH)	10 to 90% RH (No condensation)				
Storage Humidity (RH)	10 to 95% RH (No condensation)				

Contact Us.

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