

CRY-250v3-1.86

LED MODULE FOR COMPOSITE SCREENS FOR FIXED INSTALLATIONS 1.86 MM PITCH

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The **Crystal Series** completes the range of solutions that Helvia offers to AVL professionals. The need for clean, reflection-free, modular, and compact video makes LED screens the preferred choice for installers and service providers worldwide.

The Crystal module is the perfect choice for applications requiring maximum visual intelligibility, even at short distances. **The Nationstar LED** has become a quality standard for all industry professionals, ensuring the reliability and safety that every installation demands.

The **reduced pixel pitch** and outstanding energy efficiency make the Crystal Series modules an effective and reliable solution.

The **diecast aluminum chassis** reduces the weight of each module, and the **front access via a magnetic system** provides access to the components without the need to dismantle the structure, making maintenance easier and faster.

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HIGHLIGHTS



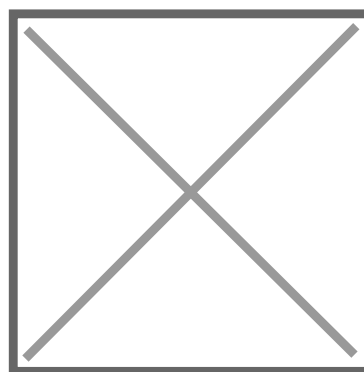
EQUIPPED WITH NATIONSTAR LEDS

Nationstar LED combines **advanced technology with durability**.

Its high contrast ratio, achieved through a black substrate and matte encapsulation, ensures sharp and vivid images. With outstanding reliability, no leakage, and a failure rate below 10 PPM, it delivers consistent performance. The LED offers uniform and accurate colors, natural image quality even at low brightness, and a wide viewing angle of over 120°. Additionally, its design ensures a longer lifespan, making it a reliable choice for any application.

HIGH REFRESH RATE FOR REDUCED FLICKERING

The refresh rate of an LED screen is the number of times per second that it updates the image on the display. The higher the refresh rate, the smoother and clearer the motion on the screen. A high refresh rate screen can reduce flickering and ghosting effects, which can cause eye strain and fatigue. Crystal series features an **high refresh rate of 3840 Hz**.



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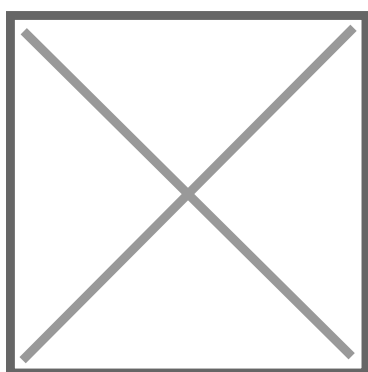
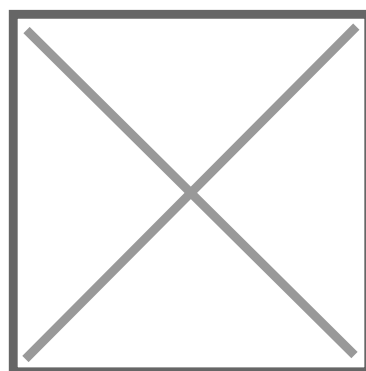


WIDE COLOUR SPECTRUM FOR REALISTIC IMAGES

With advanced triple trichromacy image technology the Crystal series LED display has the ability to deliver more than 4 trillion colours with precise calibration for ultra realistic images. Plus an a highly adjustable colour temperature ranging from 2500k to 10000k

WIDE VIEWING ANGLE

Crystal series LED displays provide wider **viewing angles of 160°/160°** and pixel-perfect imagery which is a real advance over the traditional LCD and DLP video walls.



ELEVATED CONTRAST & BRIGHTNESS

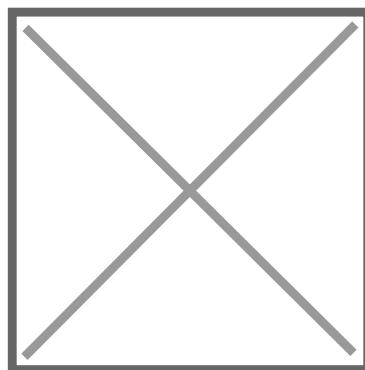
Crystal series inverse tone mapping algorithms analyze and optimize gradation and brightness levels within individual content scenes while simultaneously eliminating shine and reflection.

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CLEAN, HASSLE-FREE INSTALLATION

Complete front service perfect design produces a uniform installation across any setting eliminating gaps between frames or cabinets.



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PRODUCT DETAILS

KEY FEATURES

LED Module pitch 1.86mm for indoor use

Equipped with long lasting high quality Nationstar LEDs

Sturdy and easy to install

Magnetic Front Access

Aluminum frame

SPECIFICATIONS

Pixel Pitch	1.86mm
LED Type	NAtionstar 1515 3 in 1 RGB
Brightness	600-800 nits/sqm
Module Size	W640mm x H480mm x D58mm
Number of Tiles per Module	2x3
Cabinet Area	0.3sqm
Cabinet Weight	8.3Kg
Recommended viewing distance	>1,8 m
Cabinet Material	Aluminum
Maintenance	Front
Viewing Angle	160°
Color Temperature	6500-8000K

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Refresh rate	> 3840 Hz
LED Lifetime	>100000 Hrs
Defect Rate	1/10000 pixels
Contrast Ratio	5000:1
Input Power (max)	800W/sqm
Input Power (typical)	240W/sqm