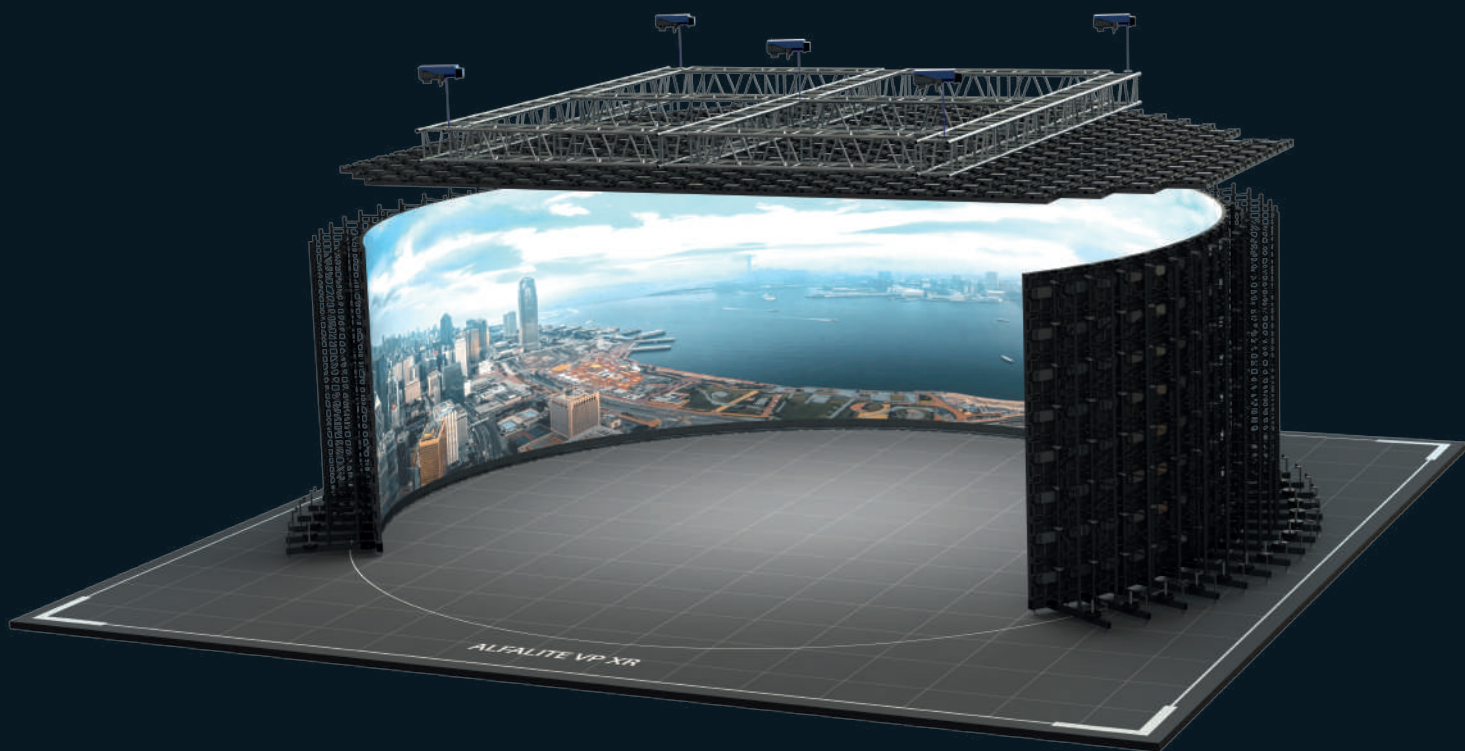




alfalite[®]

LED DISPLAYS

VP XR[®]



LED DISPLAY SOLUTION FOR XR LED
VIRTUAL PRODUCTION

www.alfalite.com

STAGECRAFT

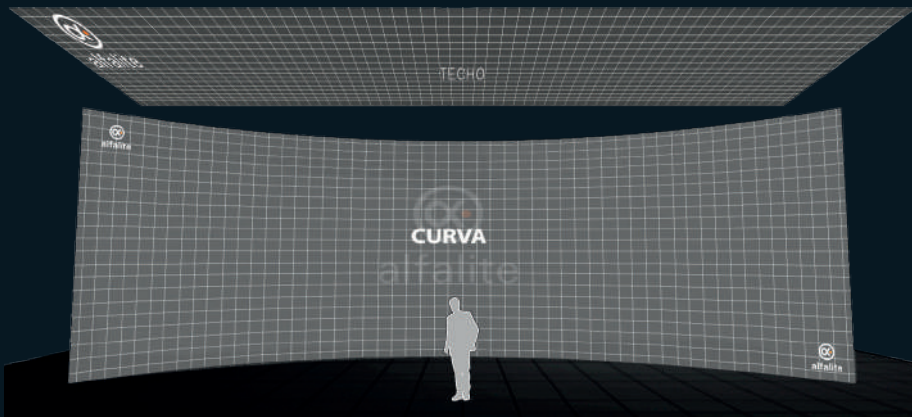
ALFALITE VP XR[®]

¿WHAT IS IT?

- ALFALITE VP XR = Alfalite AR + VR + MR
 - Virtual Implementation
 - Virtual Scene
 - Subject / Object / Real Scenel
- Is this the revolution in the market of LED Screens for Virtual Production or Mixed Reality in the Broadcast enviroment or for the Film, Series and Advertising production.
- Dynamic and imersive Backgrounds. 3D Virtual Scenarios.
- Camera shooting depth and perspective. 360° Space.
- Synchronized movement between the scene object and the LED Screen.
- A new ecosystem for Photography Directors, full of possibilities!

BENEFITS

- 4K - 8K - 16K. Provides more realistics scenarios.
- Interactive light. The LED Screen is an illumination source.
- Extensions of objects partially generated by CGI, creating a 3D enviroment.
- Synchronized movement between camera, stage, character and LED Screen.
- More freedom to creatives to scout locations.
- Allows actors to have a real reference to the stage.
- Allows the Director to regain full control of the scene aesthetics.
- Setting and parametrization of colorimetry. Avoids the "spill" problem.
- Avoid searching for locations and displacement of staff and filming equipments.
- Significant cost reduction in the construction of new sets.
- More efficient post production workflow by shooting backgrounds directly on camera
- Allows to freeze the time being able to maintain the "racord" of light. Eternal sunsets.
- Fully imersive result for the viewer.



REPRODUCTION

COLOR GAMUT



Enlarged color Space

Wide color gamut exceeding the standards used in industry.



HDR10-OPTIMA

New High Dynamic Range for a unique lighting range.



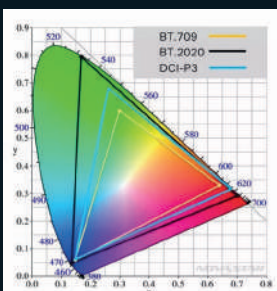
Low Latency

Seamless synchronization between technology and scene.



240 Hz

High frecuency to show the fastest movements.



Frame Multiplication

Allow to combine the shutter angle and the frame rate.



Phase-Shift Migration

Accurate offset adjustment thanks to the pairing with the camera.



Calibration

Pixel by pixel calibration, improving brightness and color uniformity.



MODULARPIX VP XR®

- Frontal and Trasero maintenance.
- Sizes (mm): 500x500, 250x250, 250x125 or custom.
- Fast and precise installation.
- MOM: Modules replacement with unified calibration.
- 1.900 nits for Wall / Floor.
- 9,840 Hz
- HDR10, 22bits+, Ultra Low Latency
- Average consumption 30W



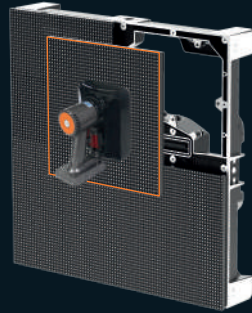
SPEED AND PRECISION



EASY MAINTENANCE



LIGHT CHASSIS



HIGH PROTECTION

ORIM®

- Precision between modules <math><0,05\text{ mm}</math>
- Greatest protection against static electricity. Compliance with ESD>10KV
- Fire resistance parameters. Compliance with UL94-0
- Improved repair parameters.
- Greater Viewing angle 175° H / V
- Easy Cleaning
- Protection against hits y water.
- Antistatic and heat dissipation properties.

PARTNERSHIP

Integration with:

mo-sys
VISION IN MOTION



PIXOTOPÉ®



BRAINSTORM

NOVA STAR

Certification with:



MEGAPIXEL
VISUAL REALITY

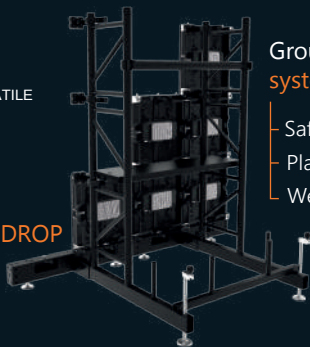
INSTALLATION ACCESSORIES

STACK SYSTEM



VERSATILE

Instalación
DRAG and DROP

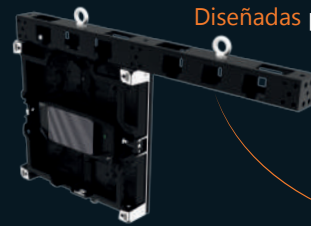


Ground anchoring
system

- Safety sleep
- Platform
- Weight Support

HANGING BAR

Diseñadas para toda la serie Modularpix®
Distintas medidas



RESISTENTE



FLOOR APLICATTIONS



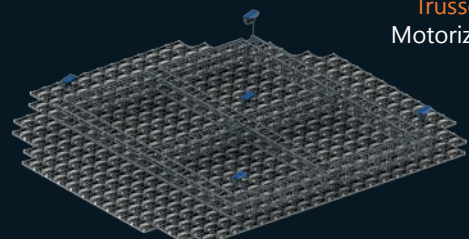
Polycarbonate
Tempered glass
Walkable and interactive



SUITABLE FOR
FLOORS

ROOF STRUCTURE

Trusses System
Motorized Hoists



CUTTING EDGE TECHNOLOGY, DESIGNED TO THRILL

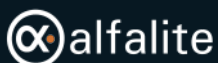
PRODUCT SPECIFICATIONS

ALFALITE MODULARPIX VP XR[®] SERIES

MODEL	WALL				CEILING			FLOOR	
PIXEL PITCH (mm)	1.5	1.9	2.6	2.9	3.9 HB	4.8 HB	5.9 HB	1.9	2.6
PANEL RESOLUTION (px)	320 x 320	256 x 256	192 x 192	168 x 168	128 x 128	104 x 104	84 x 84	256 x 256	192 x 192
MODULE RESOLUTION (pixel)	160 x 160	128 x 128	96 x 96	84 x 84	64 x 64	52 x 52	42 x 42	128 x 128	96 x 96
PANEL SIZE (mm)	500 x 500								
PIXEL CONFIGURATION	RGB 3 IN1 SMD								
MODULE SIZE (mm)	250 x 250								
PANEL WEIGHT (kg) Aluminium/Magnesium	8.9/7.8								
BRIGHTNESS (cd/m ²)	1.900				5.000			1.900	
REFRESH RATE (Hz)	9.840								
IP PROTECTION LEVEL (Frontal/Trasero)	IP22			IP54	IP40			IP22	
AVERAGE CONSUMPTION (W/panel)	35				45			35	
LIFESPAN (hours)	100.000								
CURVED VERSION (2,5° steps)	-		-15°/+15°		-15°/+15°			-	

CERTIFICATIONS   

* Technical specifications can be flexible depending on the project characteristics.
** EMC and ROHS certifications widely exceed the norm values.



P.I. Doña Paca. C/ Zalema, 2.
21720 Rociana del Condado
Huelva. SPAIN.

Website: www.alfalite.com
info@alfalite.com
Telf. 959 41 73 71



@Alfalite



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