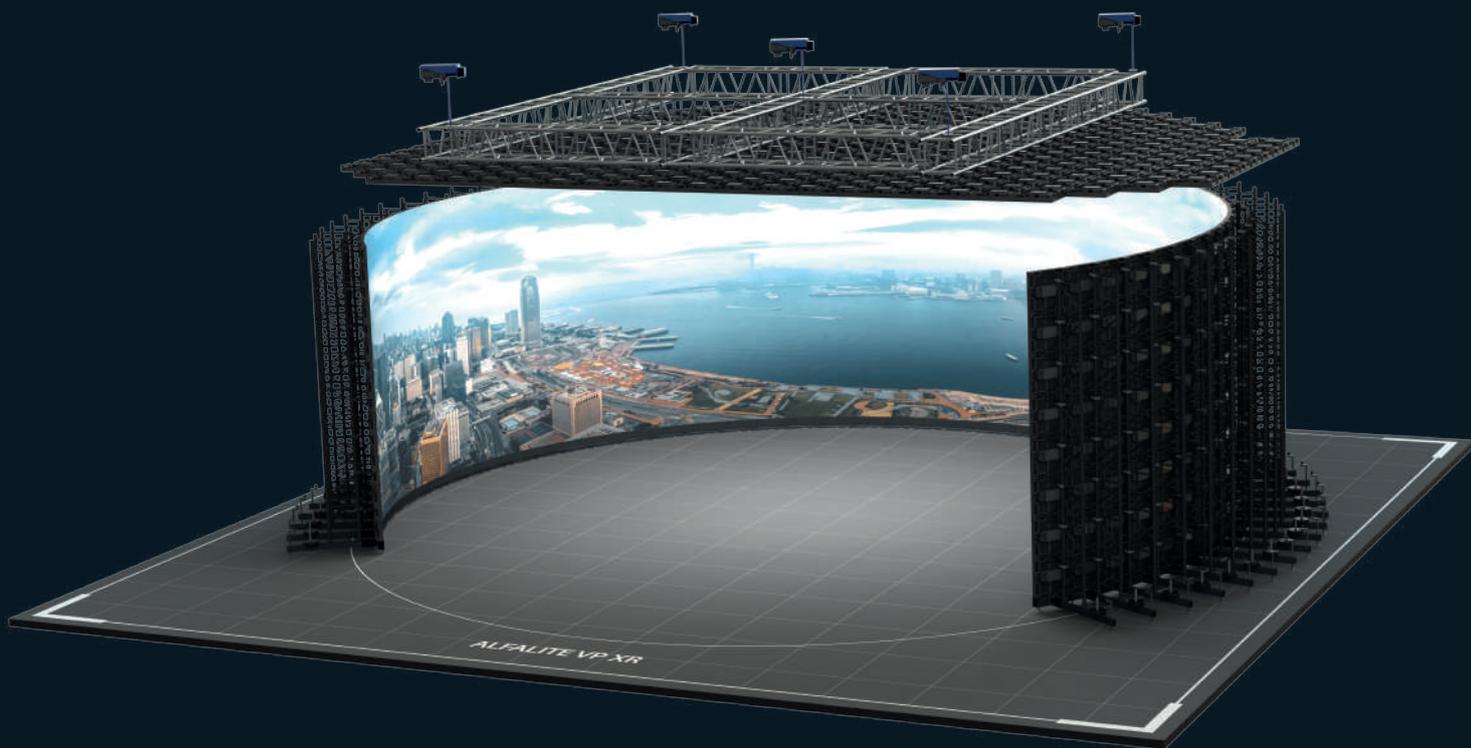# alfalite®

LED DISPLAYS

VP XR®

LED DISPLAY SOLUTION FOR XR LED VIRTUAL PRODUCTION
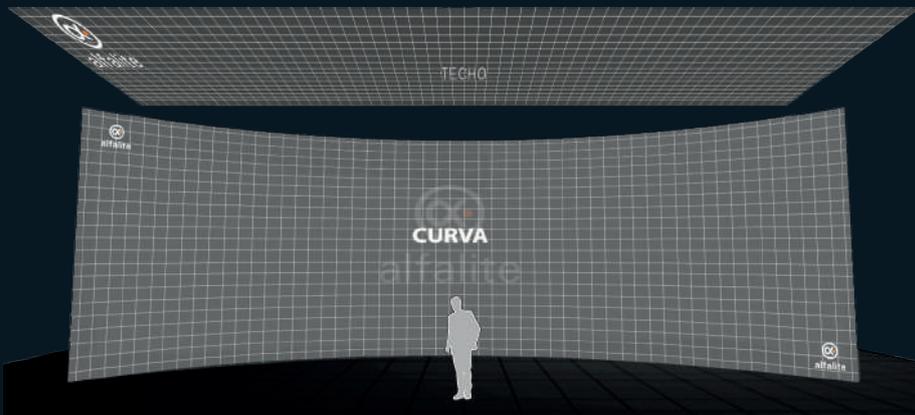
www.alfalite.com

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 mantain the "racord" of light. Eternal sunsets.

- Fully inmersive result for the viewer.

REPRODUCTION

COLOR GAMUT

Enlarged color Space
Wide color gamut exceeding the standards used in industry.

HDR
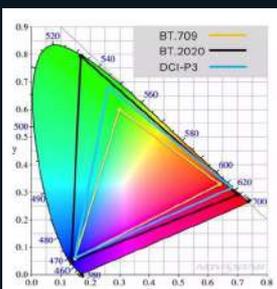**HDR10-OPTIMA**
New High Dynamic Range for a unique lighting range.

Low Latency
Seamless synchronization between technology and scene.

240 Hz
240 Hz
High frecuency to show the fastest movements.

Frame Multiplication
Allow to combine the shutter angle and the frame rate.

Phase-Shift Migration
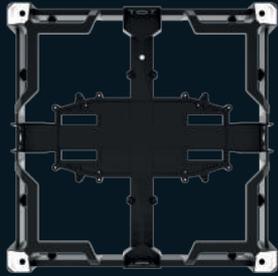Accurate offset adjustment thanks to the pairing with the camera.

Calibration
Pixel by pixel calibration, improving brighness and color uniformity.

Color Management

22bit+

Precise Grayscale

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 <0,05 mm
- 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

PIXOTOPE®

BRAINSTORM

NOVASTAR

BROMPTON TECHNOLOGY

Certification with:

UNREAL ENGINE

Unity

MEGAPIXEL
VISUAL REALITY

INSTALLATION ACCESSORIES

STACK SYSTEM

VERSATILE

Instalación
DRAG and DROP

Ground anchoring system

- Safety sleepr
- Platform
- Weight Support

HANGING BAR

Diseñadas para toda la serie Modularpix®
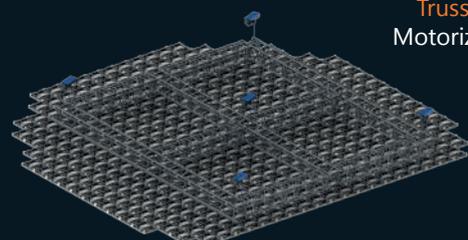Distintas medidas

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/m²)	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)	+2.5º/+5º/+7,5º			-15º/+15º	-15º/+15º			–	

CERTIFICATIONS CE RoHS

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