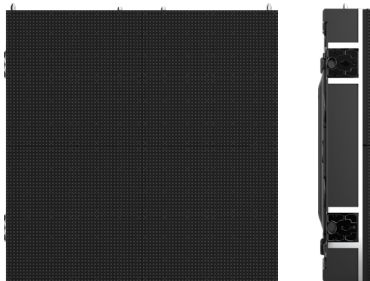




**PROLIGHTS®**  
PROFESSIONAL LIGHTS

**ΩPi X series**

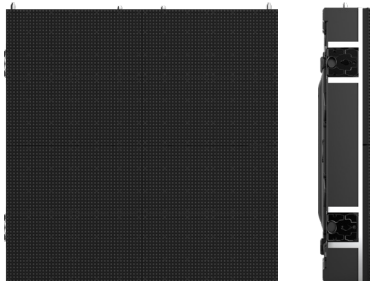
The Next Generation of High Resolution  
Rental LED Screen



## ΩPiX 26B

### OmegaPiX 26B

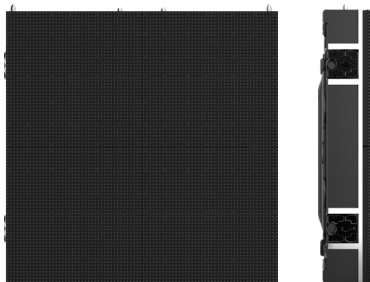
2.6 mm  
Indoor Rental LED screen



## ΩPiX 39B

### OmegaPiX 39B

3.9 mm  
Indoor Rental LED screen



## ΩPiX 39T

### OmegaPiX 39T

3.9 mm  
Outdoor Rental LED screen

### Mechanical/Assembly features

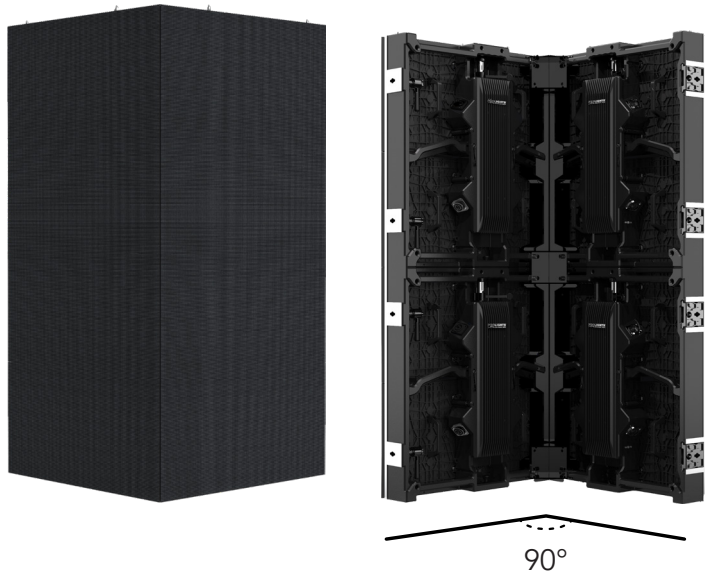
- Curve configurations
- Seamless 90° Angle
- Magnetic Led Module replacement (OMEGAPIX26B only)
- Climbable
- Hot swapping rear panel
- One man assisted assembly
- Ground Stacking accessories
- Fly bar for both hanging and ground stacking
- Corner protection for transport
- Velcro strips for gapless mounting

### Components/Electronic features

- Premium components
- Mask to ensure high reliability and improved contrast
- High Refresh rate >2880Hz
- LED Module with internal memory for calibration
- Certified CE, EMC, UL

### Image Quality

- New Novastar A8s Receiving card
- 18 bit+ Greyscale
- Clearview technology
- Rotation enabled
- RCFGX Restore, Firmware copy, Mapping
- MCTRL5 Sending fully supported



## Seamless 90° angles

Seamless 90° corners through special 45° cutter cabinets:

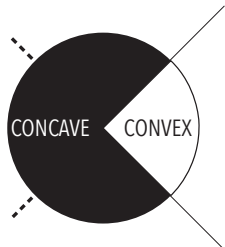
- 45° Left cabinets:  
OMEGAX26C45LB, OMEGAX39C45LB, OMEGAX39C45LT
- 45° Right cabinets:  
OMEGAX26C45RB, OMEGAX39C45RB, OMEGAX39C45RT



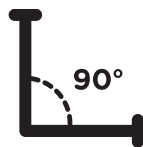
## Curve configurations

Curve configurations both concave and convex through curving mounting plates:

- 0-10° Concave (10°, 5°, 2°)
- 0-5° Convex (5°, 2°)



**Curve configuration**  
curve configurations both  
concave and convex through  
curving mounting plates



**Seamless 90° angles**  
seamless 90° corners through  
special 45° cutter cabinets



**Front replacement**  
magnetic replacement of the  
LED module for immediate service  
**ΩPi X<sub>26B</sub>** only



**Climbable**  
designed for a quick  
maintenance access



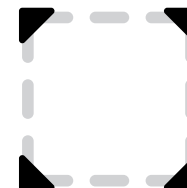
**Hot swapping**  
of the back panel to replace  
PSU & electronics



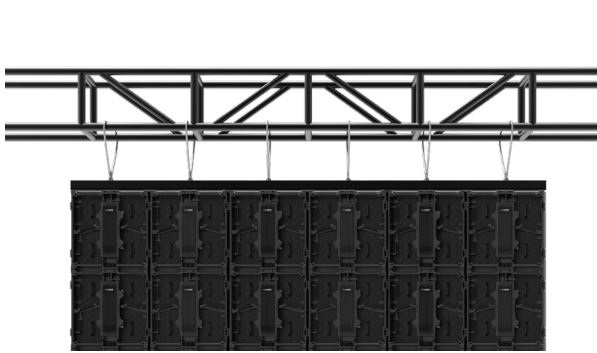
**Assembly**  
assisted mounting magnets  
for 1 man quick setup



**Velcro**  
on the edges to don't see gaps



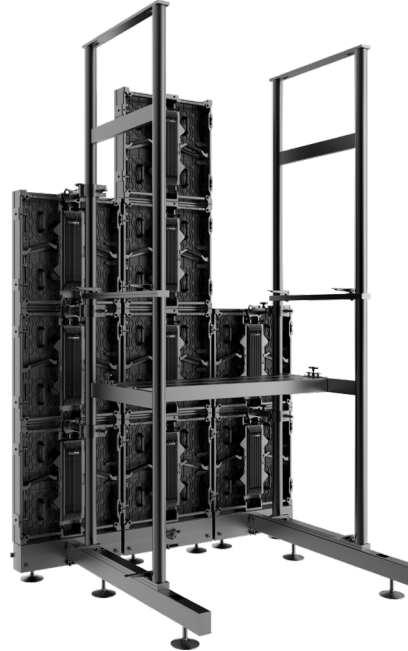
**Corner protection**  
to don't break corners  
during the transport



## Fly Bar Hanging/Stacking

Fly bars are suitable for both Hanging or Ground stacking application:

- OXHGB01: 1U 50cm Hanging/Ground bar
- OXHGB02: 2U 100cm Hanging/Ground bar
- OXHGB01C45L: 50cm Hanging/Ground bar for 45° cabinet left
- OXHGB01C45R: 50cm Hanging/Ground bar for 45° cabinet right



## Ground Stacking system1

Rental Ground Stacking solution composed by:

- OXBS21: Back narrow vertical support 2 in 1 (100cm)
- OXBS41: Back narrow vertical support 4 in 1 (200cm)
- OXBSC: Back panel support
- OXCJB: Ground Beam Support
- Includes also Fly Bar Hanging/Stacking



OXBS21/OXBS41

OXBS21PLUS/  
OXBS41PLUS



OXBSC



OXCJB



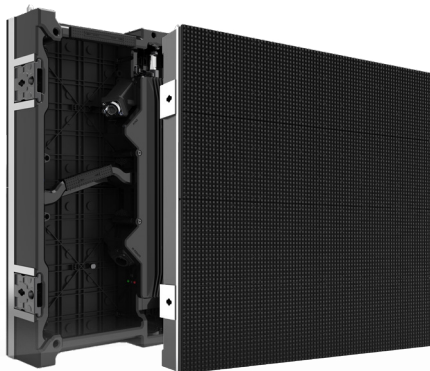
OXCJBUPG

## Ground Stacking system2

Rental Ground Stacking solution composed by:

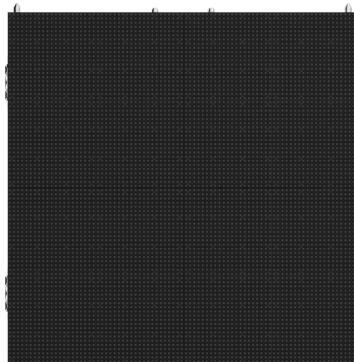
- OXBS21PLUS: Back wide vertical support 2 in 1 (100cm)
- OXBS41PLUS: Back wide vertical support 4 in 1 (200cm)
- OXBSC: Back panel support
- OXCJB: Ground Beam Support
- OXCJBUPG: Metal plate adapter for OXCJB
- OXGBMP: Ground beam maintenance platform (available in 2in1 and 3in1 versions)
- Includes also Fly Bar Hanging/Stacking





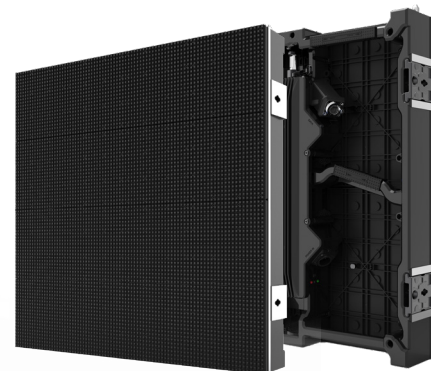
## ΩPi X26B

- Premium Components
- SMD2121 Full Black LEDs
- Module with Memory to store Calibration database
- MBI 5252 ICs
- Brightness: 1000 NIT
- Magnetic Front and Back LED Module Replacement
- Black mask for superior contrast and Rentability
- Refresh Rate: >2880 Hz
- 18 bit+ greyscale (4times high than market average)
- Rotation function enabled
- New Novastar A8s Receiver
- IP PowerCon in/out
- IP DataCon in/out
- CE, EMC, UL approved



## ΩPi X39B

- Premium Components
- SMD2121 FullBlack LEDs
- Module with Memory to store Calibration database
- MBI 5124 ICs
- Brightness: 1000 NIT
- Magnetic Front and Back LED Module Replacement
- Black mask for superior contrast and Rentability
- Refresh Rate: >1920 Hz
- 18 bit+ greyscale (4times high than market average)
- Rotation function enabled
- New Novastar A8s Receiver
- IP PowerCon in/out
- IP DataCon in/out
- CE, EMC, UL approved



## ΩPi X39T

- Premium Components
- NationStar SMD1921 Black Frame LEDs
- Module with Memory to store Calibration database
- MBI 5151 ICs
- Brightness: 5000 NIT
- Black mask for superior contrast and Rentability
- Refresh Rate: >2880 Hz
- 18 bit+ greyscale (4times high than market average)
- Rotation function enabled
- New Novastar A8s Receiver
- IP PowerCon in/out
- IP DataCon in/out
- CE, EMC, UL approved



## New Novastar A8s

New Novastar A8s receiving card on board:

- 256x256 pixel Single Card
- Support Rotation Any Angle
- High Density connector



## Smart Gamma Correction

Gamma correction is automatically applied according to the display brightness, achieving a better greyscale performance and providing clearer pictures.

# 18bit+

## 18 bit+ technology

18bit+ grey scale, 4 time higher than market average. Effectively improve greyscale performance under low brightness, showing more exquisite and more expressive images.



## Rotation enabled

Rotation of panels recognized by software @ 360°.



## ClearView

By adjusting the texture, size and contrast of images in different areas to further enhance the image details.



## Extra Features

- RCFGX restore
- Firmware copy
- Mapping



## 18 bit+ technology

18bit+ grey scale, 4 time higher than market average. Effectively improve greyscale performance under low brightness, showing more exquisite and more expressive images.

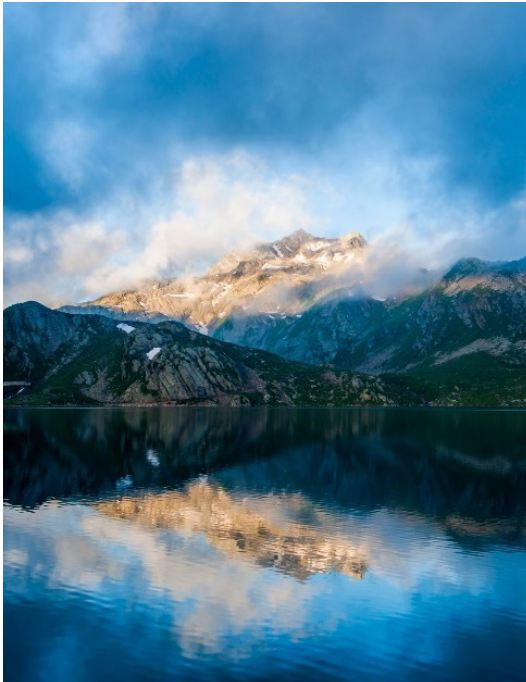


**ClearView™**



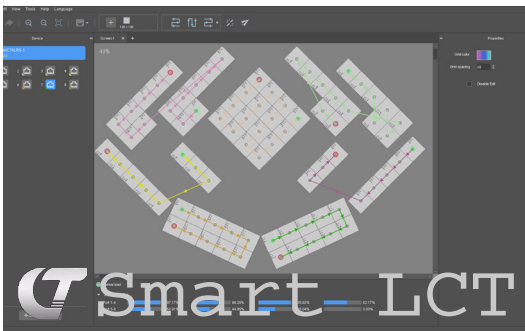
By adjusting the texture, size and contrast of images in different areas to further enhance the image details.





## Rotation

Rotation of panels recognized by Smart LCT software @ 360°.



# Technical specifications

DISPLAY FEATURES	OMEGAX26B	OMEGAX39B	OMEGAX39T
LED	SMD2121 FullBlack	SMD2121 FullBlack	NationStar SMD1921 BlackFrame
Mask	YES	YES	YES
Driver IC	MBI5252	MBI5124	MBI5151
Refreshrate	>2880 Hz	>1920 Hz	>2880 Hz
Brightness	1000 NIT	1000 NIT	5000NIT
Viewing angle	120°/120°	120°/140°	120°/120°
Cabinet Resolution	192x192 pix	128x128 pix	128x128 pix
Module Resolution	96x96 pix	64x64 pix	64x64 pix
Pixel Density	147456 pix/sqm	65536 pix/sqm	65536 pix/sqm
Driving	1/16 scan	1/16 scan	1/8 scan
Magnetic LDM	YES	YES	NO
Led Module with calibration memory	YES	YES	YES
Contrast Ration	3000:1	3000:1	3000:1
Video frame rate	50/60Hz	50/60Hz	50/60Hz
IMAGE QUALITY			
Protocol	Novastar A8s	Novastar A8s	Novastar A8s
Greyscale	18 bit +	18 bit +	18 bit +
ClearView Technology	YES	YES	YES
Smart Gamma Autocorrection	YES	YES	YES
Rotation	YES 360°	YES 360°	YES 360°
RCFGX Restore	YES	YES	YES
Mapping	YES	YES	YES
Firmware Copy	YES	YES	YES
Software	Smart LCT	Smart LCT	Smart LCT
Suggested Processor	Nova R5	Nova R5	Nova R5

MECHANICAL FEATURES	OMEGAX26B	OMEGAX39B	OMEGAX39T
Curvable	0-10° concave; 0-5° convex	0-10° concave; 0-5° convex	0-10° concave; 0-5° convex
90° seamless corner	YES	YES	YES
Climbable	YES	YES	YES
Quick PSU replacement	YES	YES	YES
Assisted mounting	YES, magnetic	YES, magnetic	YES
Velcro strip	YES	YES	YES
Corner Protection	YES	YES	YES
Ground Stacking system	YES	YES	YES
Hybrid flybar (hanging/stacking)	YES	YES	YES
Cabinet sizes	50x50x9 cm	50x50x9 cm	50x50x9 cm
Cabinet Weight	9Kg	9Kg	9Kg
Rigging	Up to 20 cabinets	Up to 20 cabinets	Up to 20 cabinets
IP	Indoor	Indoor	Outdoor
Operating temperature	-10/+45 C°	-10/+45 C°	-20/+50 C°
Storage Temperature	-20/+60 C°	-20/+60 C°	-30/+60 C°
ELECTRICAL			
Input Voltage	100-240V	100-240V	100-240V
Input power freq	50/60Hz	50/60Hz	50/60Hz
Input Power Max	160W	120W	210W
Input Power Typical	40W	40W	60W
Power Connectors	IPKon Seetronic in/out	IPKon Seetronic in/out	IPKon Seetronic in/out
Data Connectors	IP Data Seetronic in/out	IP Data Seetronic in/out	IP Data Seetronic in/out
Certifications	CE, EMC, UL	CE, EMC, UL	CE, EMC, UL



## MCTRL R5



- 3840\*1080@60Hz
- 1\*HDMI1.4, 1\*6G SDI, 1\*Dual-link DVI
- 8 Ethernet outputs
- Neutrik connectors

### Features

Complete video input interfaces:  
6G SDI, HDMI1.4 x 1, dual-link DVI x 2.

Supports 8-channel Neutrik Gigabit Ethernet outputs and 2-channel optical fiber outputs and maximum loading capacity of a single unit up to 3840x1080@60Hz.

Image rotation can be realized at any area in the screen with any angle. It will much easier with cabinet, ports and screen rotation operation.

Innovative design to enable smart configuration which has greatly shortened the time for stage preparation.

NovaStar's G4 engine to create stable and flicker-free pictures without scanning lines, and bring smooth images with a good sense of layering.

Supports NovaStar's latest pixel-by-pixel calibration technology, the process of which is fast and efficient.

Enables white balance calibration and color gamut mapping based on the different features of LEDs on the display to ensure the real restoration of color.

Screen configuration can be done at any time without PC.

Manual adjustment of screen brightness, which makes it much easier and quicker.

Multiple controllers are able to be cascaded for uniform control.

### Input

1 x SDI: Max. supported resolution: 3840×1080@60Hz;  
Max. width and height are 3840.

1 x HDMI: Max. supported resolution: 3840×1080@60Hz;  
Max. width and height are 3840.

2 x Dual link DVI: Max. supported resolution: 3840×1080@60Hz and 3840×2160@30Hz.

### Output

8 x RJ45: Neutrik Gigabit Ethernet port.

2 x OPT: Optical fiber port, single mode and double fiber, LC port, 1310 mm.

OPT1 is used for transferring the data of port 1-8.

OPT2 is the backup channel of OPT1.

Either Gigabit Ethernet port or optical fiber port can be used at the same time.

Two types of ports cannot be used to connect devices simultaneously.

### Control

1 x ETHERNET: Control interface.

2 x USB: Control interface of upper computer and cascading interface.

### Overall Specifications

Input power: AC 100-240V, 50/60Hz.

Overall power consumption: 25W.

Operating temperature: -20~60°C

Dimensions(L×W×H): 482.6×330×45mm.



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ISO 9001:2015 Certified Company



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