

# SigmaPix 26B1X1BF

Indoor rental 2,6 mm LED screen, 50x50cm tile with full black LEDs

ORDER CODE: **SIGMAX26B1X1BF**



**SigmaPix 26B** is a rental LED screen for indoor use with a 2,6 mm pixel pitch, designed to meet requirements for corporate, studio and install applications.

The mechanical design of the tiles has been conceived to allow fast single person installation with automatic lock design and extra safety & handling features such as flip corner shield and bottom protection.

Panel maintenance has been furtherly enhanced allowing quick replacement of LED modules and the PSU unit.

**SigmaPix 26B** tiles have on board curve mechanics allowing both concave and convex precise installation of  $+10^\circ / -10^\circ$  each tile and the weight has been reduced down to 8 kg per panels (32 kg per sqm)

**SigmaPix 26B** is truly creative and it is enriched by the special S and C tiles to achieve unprecedented design. The S tile is a flexible panel, that it is designed with a flex PCB allowing to reach a curve angle of  $+40^\circ$  and  $-40^\circ$  within one single cabinet. The C Tile is a special  $90^\circ$  cutted edge panel on every side allowing to create  $90^\circ$  seamless corner on every edge.

The on-board electronics include the latest generation of Novastar A8s receiver card and refresh rate up to 3.840 Hz.

## MAIN FEATURES

- Single person installation, auto lock design, scratch protection and flip corner shield
- Fast LED Module and PSU replacement
- Built in curve mechanics for  $+10^\circ / -10^\circ$  concave & convex
- Special S ( $\pm 40^\circ$  flex tiles) and C ( $90^\circ$  corner) cabinets for unprecedented design
- Refresh rate of 3.840 Hz

## TECHNICAL SPECIFICATION

### VIDEO

- Driver chip type: MBI 5253
- LED source: Nationstar SMD 1515 full black
- Pixel pitch: 2,6 mm
- Panel resolution: 192x192 pixels
- Module resolution: 96x96 pixels
- Luminous flux: 1000 nit
- Contrast: 4.000:1
- Grayscale: 14 bit
- Refresh rate  $\geq$ : 3.840 Hz
- Drive Mode: 1/24 scan, constan current
- Vertical viewing angle:  $160^\circ$
- Horizontal viewing angle:  $160^\circ$
- LED density: 147.456 LED/sqm
- Dead Pixel Ratio:  $<0.002$
- LED avg life span: 100.000

### ELECTRICAL

- Power input/output: IPKON Seetronic IN/OUT
- Power supply: AC 110/230 V 50/60 Hz
- Max power consumption (panel): 120 W
- Avg power consumption (panel): 35 W
- Max power consumption (sqm): 480 W
- Avg power consumption (sqm): 140 W
- Standby power consumption (pannello): 35 W
- Max rated current/panel: AC220V / 0.55A
- Working temperature:  $-10^\circ\text{C} / +45^\circ\text{C}$
- Working humidity: 10~80 RH %

### CONTROL

- Receiving card type: A8S-N
- Other controllers type: mapping, firmware copy, RCFGX restore, calibration restore, rotation supported, calibration chip on LDM (auto calibration)
- Control protocol: Novastar
- Signal input: waterproof Seetronic RJ45
- Signal output: waterproof Seetronic RJ45

### MECHANICS

- Other specifics: curve configurations (mechanics on board), corner protection, bottom protection, auto-lock mechanics
- Magnetic LED modules: available
- Module size (WxH): 250x250 mm
- Panel size (WxHxD): 500x500x83 mm
- Vertical hanging system: built-in aliscap clamp support
- Cooling: natural cooling of the peculiar chassis and to absence of fans
- Connection: seamless locking system
- Curvability: convex and concave  $-10^\circ / +10^\circ$
- Body: die-cast aluminium housing
- Color: black
- IP rating: IP30 (front and rear)
- Panel weight: 8 kg
- Weight per square meter: 32 kg
- Hanging Panel Quantity  $\leq$ : 20 for hanging and 12 for grounding
- Compliant Standard: CE, UKCA, cURus

Indoor White LEDs Outdoor Black LEDs



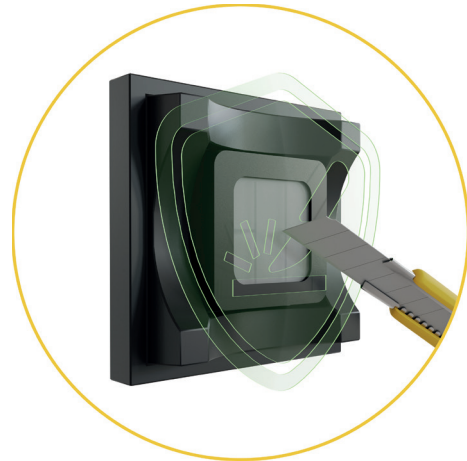
Single-Person Installation



Automatic Lock Design



Scratch Protection of the Lamp Face



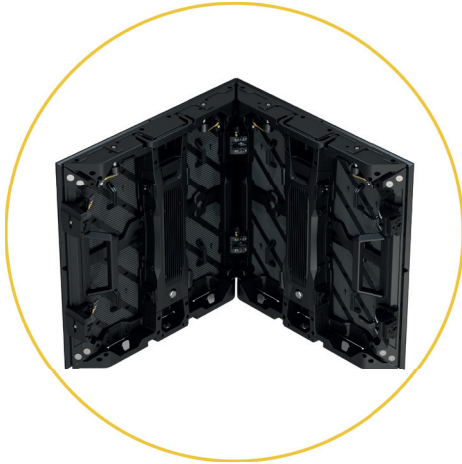
Flip Corners Shield and Bottom Protection



On Board Curve Mechanics +/- 10°



Special C 90° Corner



Special S +/- 40° Flexible Tiles



Fast and Tool Free Replacement of PSU and LED Module



Refresh Rate of 3.840 Hz
























Lightweight: Approx 23Kg/Sqm



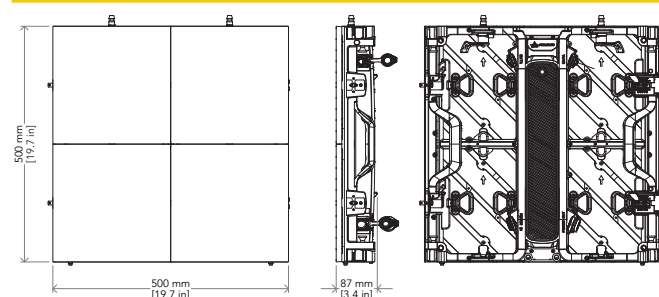
Novastar A8S Receiver Card



## ACCESSORIES & RELATED PRODUCTS

	SIGMAX26BS1X1BF	Indoor LED S module, SMD1515 BF, p.2,6mm, 50x50cm, 192x192pix, 1000nit, 8kg		KSXGHR	Ground system back horizontal reinforcement for SIGMAX & KAPPAX series LED wall
	SIGMAX26BC1X1BF	Indoor LED 45° module, SMD1515 BF, p.2,6mm, 50x50cm, 192x192pix, 1000nit, 8kg		SXXJ	Metal joint used to connect 4 pcs SIGMAX series cabinets, M10 hole for clamp
	KSXHGB01	Fly bar / ground bar for SIGMAX and KAPPAX systems, 1 column		OXXJ	Metal joint used to connect 4 pcs OMEGAX or SIGMAX cabinets, M10 hole
	KSXHGB02	Fly bar / ground bar for SIGMAX and KAPPAX systems, 2 columns		SXFCM80261X1	Flightcase 8 in1 for SIGMAX26B1X1BF
	KSXHGB01SLR	Fly bar / ground bar for SIGMAX26BS1X1BF		OXFCIS100	Rigging/ground-stack structure flightcase OMEGAX-DELTA LED-display, 100cm
	KSXHGB01C45LR	Double side 45° cut fly bar / ground bar for SIGMAX26BC1X1BF		OXFCIS200	Rigging/ground-stack structure flightcase OMEGAX-DELTA LED-display, 200cm
	KSXCJB	Ground system back horizontal support for SIGMAX and KAPPAX series LED wall		OXFCSP	Spare part flightcase for OMEGAX-DELTA series LED-display
	KSXBS21	2in1 back support for SIGMAX and KAPPAX series LED wall for ground system fixing		OXACL01/10	Power cable for OMEGAX and DELTA LED display series L.1/10 m
	KSXBS31	3in1 back support for SIGMAX and KAPPAX series LED wall for ground system fixing		SXDC01/10	Data cable for SIGMAX LED display series assembled with RJ45
	KSXBSC	Back plate for SIGMAX and KAPPAX series LED wall for ground system fixing		FMTOOL	Front maintenance tool for OMEGAX-DELTA series LED screens (INDOOR)
				MRTOOL	Mask Replacement TOOL for OMEGAX26B and OMEGAX26BE

## TECHNICAL DRAWINGS



Visit our website for specifications and tech documentations

