

# KappaPix 26B1X1BF

XR/VP 2,6 mm LED screen, 50x50cm tile with Brompton R2 control system

ORDER CODE: **KAPPAX26B1X1BF**



**KappaPix 26B** is an high standard LED screen for XR & Virtual Production with a 2,6 mm pixel pitch, designed to meet requirements for motion picture and XR studios.

**KappaPix 26B** uses premium components and it is equipped with Brompton R2 receiver cards on board, achieving >7680Hz Refresh rate, >251Hz image frame rate and up to 16bit grey scale, optimize behavior also in low light application.

The mechanical design of the tiles has been conceived to allow fast single person installation with extra safety & handling features such automatic edge and corner protection, LED module protection.

Panel maintenance has been furtherly enhanced allowing modular and tool free maintenance for LED modules and the PSU unit.

**KappaPix 26B** can be also curved concave and convex +10° / -5° through high precision curving plates. The cabinet, built into magnesium alloy are exceptionally lightweight with 6.3 kg per panel and 25,2 kg per sqm.

## MAIN FEATURES

- XR/VP Led screen with R2 Control system and >7680Hz Refresh rate
- Single person installation, automatic edge & corner protection
- Fast LED Module and PSU replacement
- Curving plates concave and convex +10° / -5°
- Up to 16bit grayscale and 251Hz Image frame rate

## TECHNICAL SPECIFICATION

### VIDEO

- Driver chip type: MBI 5264
- LED source: Nationstar SMD 1515 full black
- Pixel pitch: 2,6 mm
- Panel resolution: 192x192 pixels
- Module resolution: 96x96 pixels
- Luminous flux: 1.200 nit
- Contrast: 6.000:1
- Grayscale: 16 bit
- Refresh rate  $\geq$ : 7.680 Hz
- Frame rate: 251 Hz
- Drive Mode: 1/16 scan, constan current
- Vertical viewing angle: 160 °
- Horizontal viewing angle: 160 °
- LED density: 147.456 LED/sqm
- Dead Pixel Ratio: <0,002
- LED avg life span: 100.000

### ELECTRICAL

- Power input/output: IP65 Neutrik powerCON
- Power supply: AC 110/230 V 50/60 Hz
- Max power consumption (panel): 160 W
- Avg power consumption (panel): 55 W
- Max power consumption (sqm): 640 W
- Avg power consumption (sqm): 220 W
- Standby power consumption (pannello): 55 W
- Max rated current/panel: AC 220 V / 0.73 A
- Working temperature: -10°C / +45 °C
- Working humidity: 10~80 RH %

### CONTROL

- Receiving card type: R2
- Control protocol: Brompton
- Signal input: waterproof Neutrik RJ45
- Signal output: waterproof Neutrik RJ45

### MECHANICS

- Magnetic LED modules: available
- Other specifics: curve configurations with blocks, corner protection, auto-lock mechanics, calibration chip on LDM
- Module size (WxH): 250x250 mm
- Panel size (WxHxD): 500x500x70.1 mm
- Vertical hanging system: built-in aliscraf clamp support
- Cooling: natural cooling of the peculiar chassis and to absence of fans
- Connection: seamless locking system
- Curvability: -5 ° convex accessories, see available ° - +10° concave accessories, see available °
- Body: die-cast magnesium housing
- Color: black
- IP rating: IP30 (front and rear)
- Panel weight: 6,3 kg
- Weight per square meter: 25,2 kg
- Hanging Panel Quantity  $\leq$ : 20 for hanging and 12 for grounding
- Compliant Standard: CE, UKCA, cURus

XR/VP Led Screen



More Than 7680Hz Refresh Rate



16bit Grayscale



241Hz Image Frame Rate





Lightweight: Approx 25Kg/Sqm



Brompton R2 Receiver Card



Handling and Shipment Included for Protective Shield With Internal Foam



Single Person Installation



Automatic Edge & Corner Protection









Fast LED Module & PSU Replacement



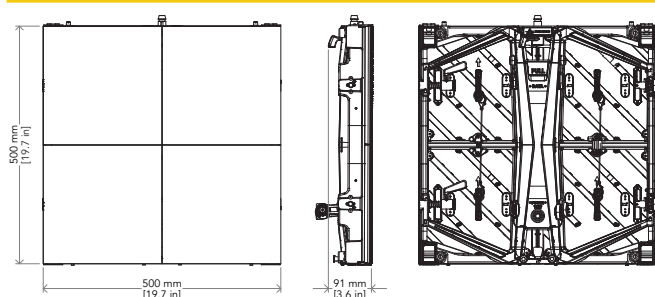
Curving Plates Concave & Convex +10° / -5°



## ACCESSORIES & RELATED PRODUCTS

	KXFCM80261X1	Flightcase 8 in1 for KAPPAX26B1X1BF		OXFCIS100	Rigging/ground-stack structure flightcase OMEGAX-DELTA LED-display, 100cm
	KSXHGB01	Fly bar / ground bar for SIGMAX and KAPPAX systems, 1 column		OXFCIS200	Rigging/ground-stack structure flightcase OMEGAX-DELTA LED-display, 200cm
	KSXHGB02	Fly bar / ground bar for SIGMAX and KAPPAX systems, 2 columns		OXFCSP	Spare part flightcase for OMEGAX-DELTA series LED-display
	KSXCJB	Ground system back horizontal support for SIGMAX and KAPPAX series LED wall		KXACL01/10	Power cable for KAPPAX LED display series L.1/10 m
	KSXBS21	2in1 back support for SIGMAX and KAPPAX series LED wall for ground system fixing		KXDC01/10	Data cable for KAPPAX LED display series assembled with RJ45
	KSXBS31	3in1 back support for SIGMAX and KAPPAX series LED wall for ground system fixing		BROSX40	BROMPTON 4K LED video processor
	KSXBSC	Back plate for SIGMAX and KAPPAX series LED wall for ground system fixing		BROXD10G	BROMPTON data distribution unit
	KXXJ	Metal joint used to connect 4 pcs KAPPAX series cabinets, M10 hole for clamp		FMTOOL	Front maintenance tool for OMEGAX-DELTA series LED screens (INDOOR)
	KXCJ80/81/82/825/83 84/85/86/87/875/88 89/90/91/92/925/93/ /94/95	Cabinet curve plate for KAPPAX series LED wall		MRTOOL	Mask Replacement TOOL for OMEGAX26B and OMEGAX26BE

## TECHNICAL DRAWINGS



Visit our website  
for specifications and  
tech documentations

