



KappaPix range

XR / Virtual Production
LED screen series

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KappaPix 26B1X1BF

ORDER CODE: **KAPPAX26B1X1BF**

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



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.

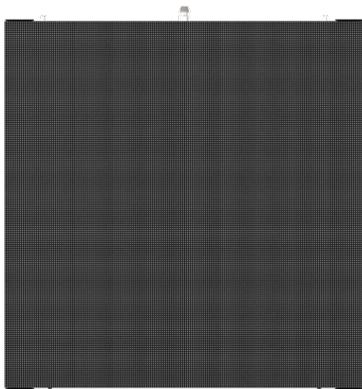
The mechanical design of the tiles has been conceived to allow fast single person installation with extra safety & handling features such automatic edge and corner protection, LED module protection.

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

- Single person installation, auto lock design, scratch protection and flip corner shield
- Built in curve mechanics for +10° / -10° concave & convex
- Refresh rate of 3.840 Hz



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

- 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



XR/VP Led screen with
R2 Control system



Refresh rate >7.680 Hz



Single person installation



Automatic edge &
corner protection



Fast LED Module and
PSU replacement



Curving plates concave
and convex +10° / -5°



Up to 16bit grayscale



251Hz Image frame rate



Fly bar hanging system

- Fly bars are suitable for hanging application:
- KSXHGB01: 1 column 50 cm hanging bar
- KSXHGB02: 2 columns 100 cm hanging bar
- KXXJ: Metal joint used to connect 4 pcs KAPPAX series cabinets, M10 hole for clamp



Ground bar stacking system

- Ground bar stacking solution composed of:
- KSXHGB01: 1 column 50 cm ground bar
- KSXHGB02: 2 columns 100 cm ground bar
- KSXBS21: 2 in 1 back support ground system
- KSXBS31: 3 in 1 back support ground system
- KSXBSC: Back support ground system fixing
- KSXCJB: Ground system back horizontal support



Curve configurations

- Concave Curve configurations
- 0-10° concave (3°, 5°, 10°)
- Through the following accessories
- KXCJ80/81/82/825/83/84/85/86/87
875/88/89/90/91/92/925/93/94/95



XR/VP Led Screen



>7680Hz Refresh Rate



16bit Grayscale



251Hz Image Frame Rate



Lightweight: Approx 25Kg/Sqm



Brompton R2 Receiver Card



Protective Shield With Internal Foam for Handling and Shipment Included



Single Person Installation



Automatic Edge & Corner Protection



Fast LED Module and PSU Replacement

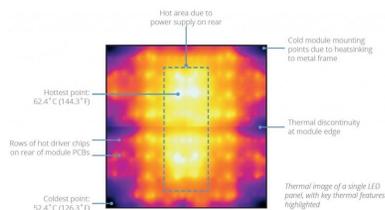


Curving Plates Concave and Convex +10° / -5°



New Brompton R2

- Modules can be swapped without having to recalibrate
- Extremely compact at 68x32mm
- Uses widely-available DDR2 SO-DIMM socket
- Panel OSD provides detailed status information on your panels



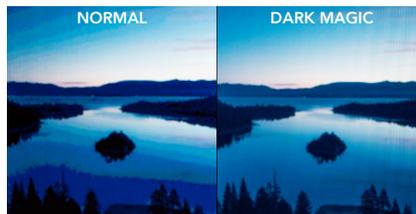
Thermalcal

- Compensates for thermal patterning effects
- User-controlled compensation that can be adjusted dynamically, even during a live show
- Profiles each panel type for a panel specific correction
- Exclusive to Brompton R2 and R2+-based panels that have been calibrated with Dynamic Calibration



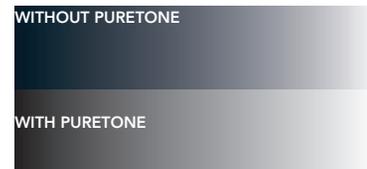
Dynamic Calibration

- Unlocks full potential of panels
- Extreme brightness
- Remarkable uniformity
- Precise colour accuracy
- Intense colour saturation
- Adjust panel calibration at any time, including during a live event



Dark Magic

- Improves the quality of the image or video when panels are operating at less than maximum brightness
- Clearer, smoother images with enhanced detail in darker areas
- Less gradient banding, even at very low brightness
- Dark Magic can be used with Studio Mode (available on the Operating Modes menu)



Puretone

- Eliminates unsightly colour casts in greyscale
- Works with Dark Magic for excellent performance at low brightness
- Exclusive to Brompton R2 and R2+-based panels that have been calibrated with Dynamic Calibration
- PureTone Profiles are created to correct any linearity issues for each individual batch of LED panels



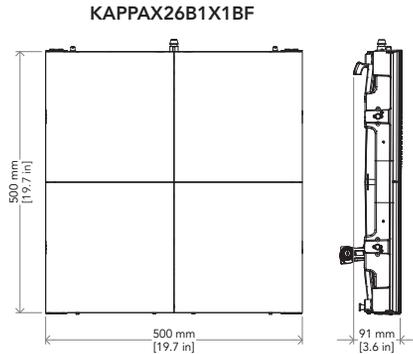
Extended Bit Depth

- Unlocks higher PWM bit depth with up to 3.3 additional bits of precision
- The benefits are most obvious at low and ultra-low brightness levels – it brings out additional detail and nuances in dark areas of the image while also reducing visual artefacts
- Ability to reproduce HDR content up to 10 times darker than previously possible
- Compatible with ShutterSync® and typically offers two to three stops of additional dynamic range on camera (available on the Operating Modes menu)



DISPLAY FEATURES		KAPPAX26B1X1BF
LED		Nationstar SMD 1515 full black
Mask		YES
Driver IC		MBI 5264
Refresh rate (Hz)		≥ 7.680
Brightness (NIT)		1.200
Viewing angle (HxV)		160°x160°
Cabinet resolution (px)		192x192
Module resolution (px)		96x96
Pixel density (px/sqm)		147.456
Driving (scan)		1/16 scan, constan current
Magnetic LDM		Available
Contrast ratio		6.000:1
Video frame rate (Hz)		251
IMAGE QUALITY		
Protocol		Brompton R2
RCFGX restore		YES
Mapping		YES
Firmware copy		YES
Software		Smart LCT

MECHANICAL FEATURES		KAPPAX26B1X1BF
Curvable		convex and concave -5° / +10°
Assisted mounting		Auto-Lock
Ground stacking system		YES
Cabinet sizes (mm)		500x500x70,1
Cabinet weight (kg)		6,3
Rigging (cabinets)		≤20 for hanging and 12 for stacking
IP (front - rear)		30
Operating temperature		-10°C / +45°C
Storage temperature		-30°C / +60°C
ELECTRICAL		
Input voltage (V)		110-230
Input power freq (Hz)		50/60
Input power max (W)		160
Input power typical (W)		55
Power connectors		IPKON Seetronic IN/OUT
Data connectors		waterproof Neutrik RJ45
Certifications		CE, UKCA, cURus



- **KXFCM80261X1** Flightcase 8 in1 for KAPPAX26B1X1BF
- **KSXHGB01/02** Fly bar / ground bar for SIGMAX and KAPPAX systems, 1/2 columns
- **KSXXBS21/31** 2in1 - 3in1 Back support for SIGMAX and KAPPAX series LED wall for ground system fixing
- **KSXBSC** Back support for SIGMAX and KAPPAX series LED wall for ground system fixing
- **KSXCJB** Ground system back horizontal support for SIGMAX and KAPPAX series LED wall
- **KXXJ** Metal joint used to connect 4 pcs KAPPAX series cabinets, M10 hole for clamp
- **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
- **OXFCIS100/200** Rigging/ground-stack structure flightcase OMEGAX-GAMMAX series LED-display, 100/200 cm
- **OXFCSP** Spare part flightcase for OMEGAX-GAMMAX series LED-display
- **KXDCL01/10** Data cable for KAPPAX LED display series assembled with RJ45
- **KXACL01/10** Power cable for KAPPAX LED display series
- **MRTOOL** Mask Replacement tool for LED screens (INDOOR)
- **FMTOOL** Front maintenance tool for LED screens (INDOOR)
- **BROX40** BROMPTON 4K LED video processor
- **BROXD10G** BROMPTON data distribution unit



KXDC
Data cable for KAPPAX LED display series assembled with RJ45



KSXBSC
Back support for SIGMAX and KAPPAX series LED wall for ground system fixing



FMTOOL
Front maintenance tool for LED screens (INDOOR)



KSXBS21 - KSXBS31
2in1 - 3in1 Back support for SIGMAX and KAPPAX series LED wall for ground system fixing



**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



KXXJ
Metal joint used to connect 4 pcs KAPPAX series cabinets, M10 hole for clamp



MRTOOL
Mask Replacement tool for LED screens (INDOOR)



KSXCJB
Ground system back horizontal support for SIGMAX and KAPPAX series LED wall

KSXHGB01 - KSXHGB02
Fly bar / ground bar for SIGMAX and KAPPAX systems, 1/2 columns



BROSX40
BROMPTON 4K LED video processor



BROXD10G
BROMPTON data distribution unit



KXFCM80261X1
Flightcase 8 in 1 for
KAPPAX26B1X1BF



OXFCSP
Spare part flightcase for
OMEGAX - DELTAX series
LED-display



OXFCIS200
Rigging/ground-
stack structure
flightcase
OMEGAX -
DELTAX series
LED-display,
200 cm



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