EDUBOARD™
INTERACTIVE CLASSROOM SOLUTIONS

PRODUCT FOCUS

EduBox - all in one

Portable Interactive Whiteboard System

Interactive classroom solutions for
a truly immersive learning experience

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Transport your interactive classroom

Bring lessons to life and enrich student engagement with the Edubox Portable Interactive Whiteboard System. The EduBox is a grounded, cost effective and versatile Interative Whiteboard solution. Extremely portable and lightweight, it weighs a mere 5kg, with a set-up time of only 3 minutes.

The 'box' houses a powerful data projector, quality built-in audio and an interactive device which enables you to control your computer's interface from the whiteboard using the e-Pen to annotate and draw across all applications, media resources and lesson material. The EduBox offers a new way to approach your teaching process, while being discreet, efficient and simple to operate.

Various optional add-ons are available to empower lesson delivery and enhance classroom facilitation further. These include student response systems and professional teaching software suites with options for mobile device integration and management.

Key Features

- *Cost effective, practical and easy to use projection system, with a range of optional add-ons and customisations.*
- *Lightweight and portable, the Edubox comes with a sturdy carry bag, weighs 5kg and requires a speedy three (3) minutes to set up.*
- *Projects onto any whiteboard or smooth, white surface or wall.*
- *Requires no permanent installation, and no extra devices or cables to be attached to the whiteboard / projection surface.*
- *Responsive e-Pen / Stylus - ideal for quick drawing and writing.*
- *Works with all existing software programs and web browsers.*
- *Does not have a built in PC, rather each user can simply connect their laptop, with the system's basic operational software loaded.*

TENACIOUS TECHNICAL INGENUITY

Full 3D

COLOUR GUARANTEED 5 YEARS

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

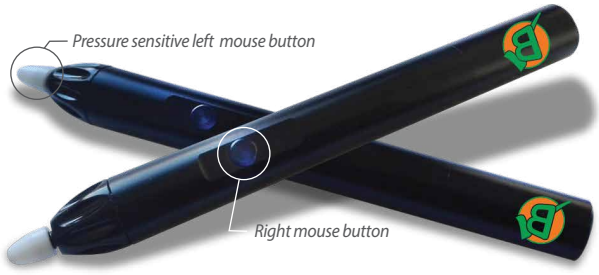
The sleek and minimal façade of the EduBox humbly cloaks the exceptional technology within - a high quality data projector paired with intuitive Optical Position Detection Technology, enabling the device to detect infrared signals sent from the e-Pen.. With a bright, high quality lamp and a crisp contrast ratio, the data projector casts crystal clear images with ease, while superb colour fidelity is guaranteed using DLP®, BrilliantColor™ and Dynamic Eco+ technology. The projector provides plenty of features to save on costs and energy consumption, with an incredibly long lamp life of up to 10,000 hours. The unit also incorporates built-in audio and full 3D technology, making it essential not only as a conduit for delivering digital lessons but also as a fully-featured media hub.

- *Bright projection from 3300 ANSI Lumens; 15,000:1 contrast ratio.*
- *Low ownership costs - up to 10,000 hours[2] lamp life.*
- *Projector available in SVGA, XGA and WXGA options.*
- *Excellent audio support with built-in speakers.*
- *Full 3D display using the DLP technology allows for projecting true 3D content from any 3D display device.*
- *Simple plug 'n play with HDMI connectivity.*
- *Supports interactivity on both hard and soft screens of any size up to 150".*
- *Battery operated e-Pen Stylus.*
- *Smooth drawing within 1 pixels' jitter at 1024x768.*
- *Superior resistance to ambient lighting.*

INTERACTIVE ANNOTATION AND WRITING TOOLS

Pointing and writing tool to control and navigate your interactive whiteboard. The e-Pen Stylus is the perfect workhorse for energetic annotating and drawing.

e-Pen Stylus

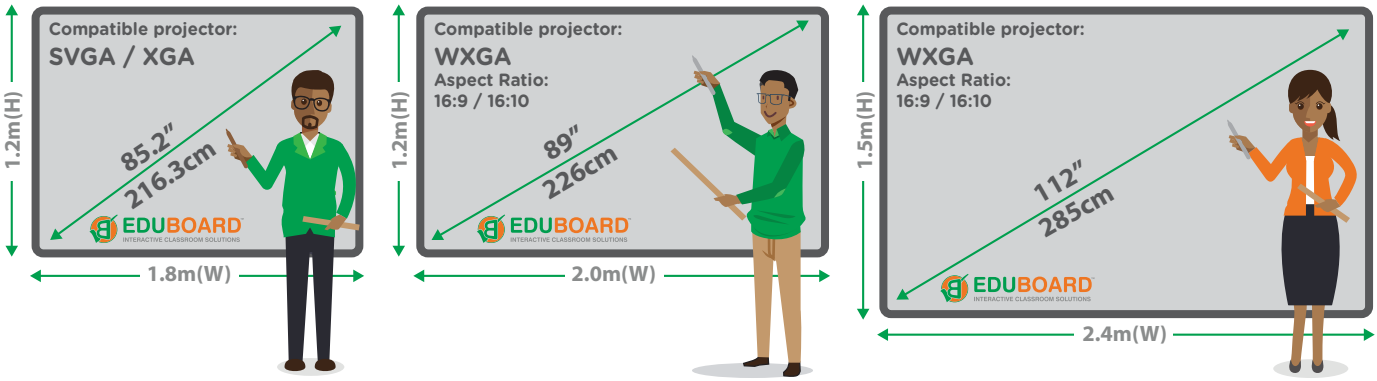


- *Pen tip pressure sensitive - equivalent to left mouse button.*
- *1 control button - Right mouse functions.*
- *Battery operated.*

VERSATILE, DUAL PURPOSE WHITEBOARDS

The standard whiteboard sizes illustrated below are both available as mobile or fixed options, finished with either matte or gloss material. Mobile boards can be double sided for a matte / gloss combination. To get the most out of your interactive whiteboard system, ensure that the board's dimensions are compatible with your projector's native resolution.

The EduBox offers three projector options, they are the EDU-S320 (SVGA), EDU-X320 (XGA) and EDU-W340 (WXGA). Their native resolutions and corresponding board compatibility / aspect ratio's are outlined below:

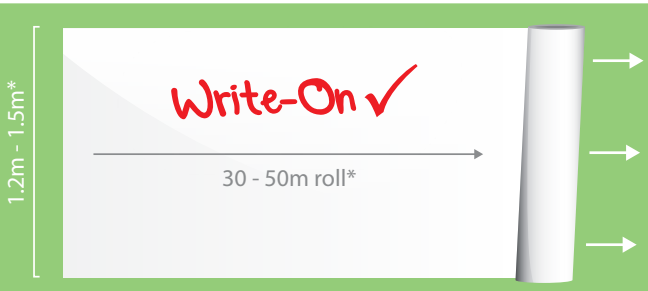


RESURFACE OLD CHALKBOARDS

ROLL OUT - WRITE ON - WIPE OFF - PROJECT

Replacing old chalkboards with new whiteboards can be extremely expensive, and EduBoard has an excellent solution with Write-On board resurfacing material. As long as the old board surface is still in good condition, Write-On material, which is available in 50m rolls of gloss and matte white, can easily be installed onto existing boards. The material can also be applied directly to any flat surface, without the need for any additional framing or mounting.

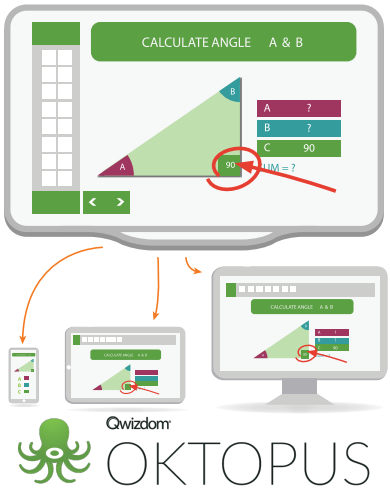
The end result is a high quality cost effective gloss or matte whiteboard. The Matte whiteboard material is dual purpose, perfect for data projection and dry marker pen use. Thousands of classrooms in South Africa and around the world are already effectively using Write-On on their old chalkboards.



Material options:
Gloss or dual-purpose matte
*Dimensions:
1.2m (H) X running meter (50m per roll) Gloss & Matt
1.5m (H) X running meter (30m per roll) Matt only

TEACHING TOOLS AND RESOURCES

Oktopus PRESENT COLLABORATE POLL



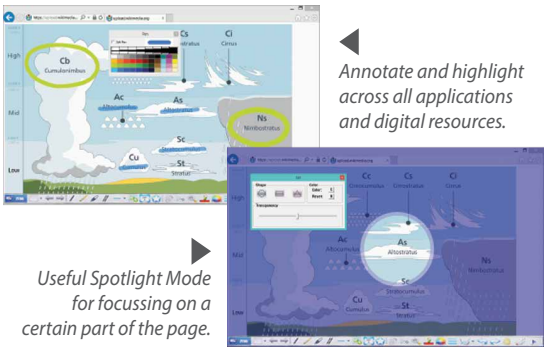
OKTOPUS is a collection of interactive teaching tools designed to enhance teaching and boost learning outcomes. Simply create a lesson, start a presentation, and display your screen across tablet devices in the classroom. Using the Qwizdom Notes+ app, your students can interact by submitting answers, taking notes and sharing annotations.

- Multi-touch & multi-pen annotation software.
- 70+ subject specific tools for drawing, math, literacy, geography and science.
- Works live over almost all digital content, web etc.
- Collaborates across tablets, laptops and interactive whiteboards.
- Provides 8 polling question types to engage students.
- Installed locally it is available in 42 languages.

FreeClass

FreeClass, the interactive device's operating software, includes a treasure trove of practical tools for getting started with your interactive whiteboard.

- Draw / write freehand, draw basic shapes, erase, redo and undo.
- Adjust pen colour, width and transparency attributes.
- Annotate and write over any digital resources or lesson material.
- Save all content and annotations generated on the board.
- Spotlight and Shade modes for focussing on or hiding parts of the page.



Annotate and highlight across all applications and digital resources.

Useful Spotlight Mode for focussing on a certain part of the page.

RMeasiteach Next Generation (Optional)

Easiteach is a feature rich, professional and interactive teaching platform with amazing lesson content, over 2700 free media assets, images, flash files, videos and widgets. This will revolutionize your school's digital teaching platform, motivate learners and inspire your teachers.

- In-depth language and numeracy tools.
- Localised and searchable media bank comprises a wide range of curriculum-based resources.
- Record sound and video directly on to a page.
- Create whole-class teaching activities to fit with your learning objectives.

Device Comparison Table

Technology	Auto Calibrate	Multi Writing	Calibration Accuracy	Portable	Response Speed	Variable Size	Vulnerable	Cost
Electromagnetic Induction	No	Few	Better	No	Slow	No	Yes	High
Infrared	No	No	Better	No	Quicker	No	Yes	High
Pressure	No	Few	Good	No	Quick	No	Yes	Higher
Ultrasound	No	No	Good	No	Quick	No	No	Low
EduBox	Yes	Yes	Better	Yes	Quickest	40 - 150Inch	No	Low

Data Projector (EDU-S320 / EDU-X320 / EDU-W340)

	Description:	Option 1: EDU-S320	Option 2: EDU-X320	Option 3: EDU-W340
*	Display Technology	Single 0.55" SVGA DC3 DMD chip DLP® Technology by Texas Instruments	Single 0.55" SVGA DC3 DMD chip DLP® Technology by Texas Instruments	Single 0.65" DarkChip 3 WXGA DLP® Technology by Texas Instruments
*	Native Resolution	SVGA 800 x 600	XGA 1024 x 768	WXGA 1280 x 800
*	Brightness1 (Bright Mode)	3500 ANSI Lumens	3300 ANSI Lumens	3600 ANSI Lumens
	Contrast	22,000:1	22,000:1	20,000:1
	Noise Level (Eco mode)	29dB	29dB	32dB
	Weight (kg)	2.17	2.17	2.99
	I/O Connectors	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA Out, Audio out 3.5mm, RS232, USB-A Power (5V-1A)	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, USB-A Power (5V-1A)	2 x HDMI (1.4a 3D support) + MHL v2.2, VGA (YPbPr/RGB), Composite, 2 x Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, RJ45, USB-A Power, USB mouse/service
	Maximum Resolution	UXGA 1600 x 1200	UXGA 1600 x 1200	UXGA 1600 x 1200
	Computer Compatibility	FHD, HD, WXGA, UXGA, SXGA, XGA, SVGA, VGA, Mac	FHD, HD, WXGA, UXGA, SXGA, XGA, SVGA, VGA, Mac	UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
	Video Compatibility	PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)	PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
	Displayable Colours	1073.4 Million	1073.4 Million	1073.4 Million
*	Projection Lens	F/2.4~2.53; f=21.85~24.01mm	F/2.4~2.53; f=21.85~24.01mm	F/2.5~3.26; f=20.91~32.62mm
*	Throw Ratio	1.94 - 2.16:1	1.95 - 2.16:1	1.47 - 2.35:1
*	Projection Screen Size	0.70 - 7.62m (22.9" - 300") Diagonal 4:3	0.70 - 7.62m (22.9" - 300") Diagonal 4:3	0.69 - 7.62m (27.2" to 300") Diagonal 16:10
	Projection Distance	1.2 - 12 metres	1.2 - 12m	1.3 - 9.6m
	Zoom Type	1.1x Manual	1.1x Manual	1.6x Manual
*	Aspect Ratio	4:3 Native, 16:9 Compatible	4:3 Native, 16:9 Compatible	16:10 Native, 16:9/4:3 Compatible
*	Offset	115%	115%	96.2% ~ 112.4%
	Horizontal Scan Rate	15.3 - 91.1kHz	15.3 - 91.1kHz	15 - 91kHz
	Vertical Scan Rate	24 - 85Hz (120Hz for 3D)	24 - 85Hz (120Hz for 3D)	24 - 120Hz
	Lamp Type	195W	195W	260W
	Keystone Correction	± 40° Vertical	± 40° Vertical	± 40° Vertical
	Audio	2W	2W	2W
	Dimensions (W x D x H)(mm)	314.6 x 222.6 x 101.7	314.6 x 222.6 x 101.7	314.6 x 222.6 x 101.7
	Remote Control	Card style remote with direct source selecting	Card style remote with direct source selecting	Card style remote with direct source selecting
	Power Supply	100-240V, 50-60Hz	100-240V, 50-60Hz	100-240V, 50-60Hz
	Power Consumption	225W Bright mode / 187W Eco mode (< 0.5W Standby)	225W Bright mode / 187W Eco mode (< 0.5W Standby)	309W Bright mode / 249W Eco mode (<0.5W Standby)
	Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
	Uniformity	80%	80%	80%
	3D Support	The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.	The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.	The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.
	3D Viewing	Requires the Optoma DLP shutterglasses - available separately.	Requires the Optoma DLP shutterglasses - available separately.	Requires the Optoma DLP shutterglasses - available separately.

3D Compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60	Side-by-Side:1080i50 / 60, 720p50 / 60	Side-by-Side:1080i50 / 60, 720p50 / 60
	Frame-pack: 1080p24, 720p50 / 60	Frame-pack: 1080p24, 720p50 / 60	Frame-pack: 1080p24, 720p50 / 60
	Over-Under: 1080p24, 720p50 / 60	Over-Under: 1080p24, 720p50 / 60	Over-Under: 1080p24, 720p50 / 60
On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Romanian, Farsi and Arabic.	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Romanian, Farsi and Arabic.	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Romanian, Farsi and Arabic.
Optional Wireless	Yes	Yes	Yes
Features	Eco+, Up to 10,000 hours lamp life - Education Cycle	Up to 10,000 hours lamp life - Education Cycle	Up to 10,000 hours lamp life - Education Cycle

Interactive Device

Calibration	Automatic(5s) / Manual {25/36 points)/Semi Automatic (4 points)
Technology	Optical Technology
Resolution	4096*4096
Multi-writing	Max 10 people can write at the same time
Latency	<30ms
Filter	Software auto-control, enhance stability.
Min Active Size	40inch
Max Active Size	150 inch
Positional Accuracy	±1 Pixel
Aspect Ratio	4:3; 16:9; 16:10
Power Consumption	100mw
Signal Refresh Rate	120fps
Connection	USB connect sensor and computer
Weight	0.25kg
System Requirement	Windows XP, Vista. Windows 7, Windows 8, Windows 10, Android (Requires device specific signature)
Software	Calibration software and Educational software
Certification	CE, FCC
Warranty	Sensor - 3 years / Pen - 6 Months
Package	1. Sensor 2. Mount 3. USB cable (12m*1) 4. Infrared pen 5. Manual

Interactive Device e-Pen / Stylus

Light Emitted	Infrared
Pen Tip Trigger Switch	Pressure Sensing
Control Buttons	1 buttons
Power Requirement	Battery Operated
Pen Body Dimension	144mm (length) x 18mm (diameter)

Disclaimer:
The EduBox Portable Interactive Whiteboard System can be customised for each customer's individual needs. All components are available individually as well as in customised sets, depending on your needs and /or pre-existing hardware. All other optional components are quoted separately, including but not limited to - whiteboards and whiteboard accessories such as mobile stands and whiteboard material; all teaching software suites including RMeasiteach, E-Board and OMBEA Products.

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