

# ScreenBeam 1000 EDU Wireless Display Receiver

ScreenBeam 1000 EDU is a 4K wireless display and collaboration platform for app-free wireless screen sharing for schools using Miracast, network connection or local Wi-Fi mode. Without the hassle or risks involved

with deploying apps, dongles or buttons, ScreenBeam 1000 EDU supports native Windows, Android, Apple and Chromebook device screen mirroring, and fully enables Office 365 wireless collaboration for Windows 10 users.



## KEY SELLING POINTS

<b>App-free</b>	Windows 10, Miracast-enabled Android, macOS, iOS and Chromebook native screen mirroring
<b>Dual integrated Wi-Fi</b>	Support of local Wi-Fi mode with Miracast P2P and wireless bridge allows high deployment flexibility
<b>Touch display support</b>	Windows 10 users can mark up content directly on room displays, instantly capturing changes in native device applications
<b>True extended desktop</b>	Windows and macOS users can extend screen to ensure content privacy
<b>Multiview/Quick Switch</b>	Can support up to four devices on-screen at once, with quick user switching between single presenters
<b>ScreenBeam Classroom Commander</b>	Classroom orchestration for teacher control of Chromebook and Windows PCs, with student preview and display selection, student device blanking, chat and web page launching
<b>Native 4K output</b>	High quality 4K native wireless presentation output on any display including protected content playback
<b>Ghost Inking™</b>	Wireless Windows Inking with zero latency for true pen-to-paper writing experience
<b>Local Wi-Fi, bridge mode</b>	Securely leverage wired or wireless network connectivity, avoiding complex network configurations
<b>Miracast AGO</b>	Allocate fixed wireless channels to lower latency, eliminate disconnects and prevent connection failures
<b>Digital signage</b>	Integrated HTML5 digital signage player displays information during idle periods
<b>Secure</b>	Static, rotating or hidden PIN/pairing for device connections, AES encryption on all links, network separation for P2P, local Wi-Fi and infrastructure connections, and a Kensington lock slot
<b>Centrally managed</b>	Remote management and monitoring of devices with group provisioning, monitoring and maintenance scheduling using included Central Management System (CMS) software

### CATALOG NUMBER

#### **SBWD1000EDU**

ScreenBeam 1000 EDU  
Wireless Display Receiver  
with ScreenBeam CMS and  
ScreenBeam Classroom Commander

## Industry Leader

ScreenBeam Inc., a leading wireless display and collaboration provider, delivers an app-free screen sharing experience on any modern device to bring intuitive wireless collaboration into any meeting space or classroom. ScreenBeam is Microsoft's co-engineering partner for wireless display enabling wireless Office 365 experiences.

ScreenBeam solutions are used as the validation platform for wireless display functionality by companies like Microsoft and leading PC OEM and device companies. Headquartered in Santa Clara, CA, ScreenBeam has offices across the United States, Europe and Asia.

## BENEFIT MESSAGING

- Eliminates downloading an app or hunting for the right display connector to get meetings or presentations started
- ScreenBeam Classroom Commander allows classroom orchestration for teachers to share student content and manage learning experiences
- Annotations on touch displays are instantly captured and saved on the presenter's screen with Windows Ink and interactive touch display support
- Always the same easy-to-connect experience with native screen mirroring means minimal training required
- Integration with Office 365 and Office 365 for Education applications makes it easy to share notes, presentations and more directly to devices or the front of room display
- Flexible and scalable deployment options eliminate the hassles of complex network configurations to support device screen sharing

## WIRELESS DISPLAY PRODUCT FAMILY

### ScreenBeam 1100

- Connects to two infrastructure networks (guest AND corporate) simultaneously using Gigabit Ethernet and Wi-Fi)
- 3x3 MIMO wireless for Miracast Wi-Fi direct and local Wi-Fi
- 2x2 MIMO wireless for bridge mode capability
- Gigabit Ethernet for management and infrastructure-mode presentation
- 4K capable (4K60 HDMI out, 4K30 wirelessly from Windows)
- USB 3.0 + dual USB 2.0 ports
- Kensington lock slot
- HTML5-based digital signage
- Multiview capable with Quick Switch for users
- No-latency Ghost Inking with Office 365 touch support

### ScreenBeam 1000 EDU

- Sold to and warranted for K-12 purchasers only
- Front-of-room experience optimized for K-12
- Rapid student device orchestration for Chromebook and Windows PCs
- Connects to one infrastructure network using Gigabit Ethernet or Wi-Fi
- Other features are the same as ScreenBeam 1100

### ScreenBeam 960

- Connects to one infrastructure network (guest or corporate) using Gigabit Ethernet or Wi-Fi
- 2x2 MIMO
- No local Wi-Fi mode
- 1080p only
- Single USB 2.0

## TECHNICAL SPECIFICATIONS

### Compatible OS/Device

Miracast P2P wireless display requires certified device with either:

- Windows 10 build 1607 (and later) or Windows 8.1
- Android 4.2 (and later)

Wireless display over network requires device with either:

- Windows 10 build 1709 (and later)
- Windows 7 (and later)
- macOS 10.10 (and later)
- iOS 11 (and later)
- Chrome OS 74.0.3729.159 (and later)

Chromebook wireless display requires device with:

- Windows 10 build 1607 (and later) or Windows 8.1 teacher device with Google Cast for Education® installed in Chrome browser

### Language Support

English

### Hardware Specifications

Video	H.264 compression	
Audio	LPCM 2.0	
Resolution <sup>1</sup>	Up to 4K60 (HDMI), 4K30 (Windows 10 Miracast)	
Ethernet	10/100/1000-BASE-T RJ-45 LAN (non-concurrent with Network Bridge)	
Wireless	<b>Miracast and Local Wi-Fi Mode:</b> 802.11ac dual-band 3x3 MIMO <b>Network Bridge:</b> 802.11ac dual-band 2x2 MIMO (non-concurrent with Ethernet)	
Authentication	WPA-PSK (TKIP)	
Protocol	WPA2-PSK (AES), PEAP-MSCHAP V2, EAP-TLS	
Interfaces	1 x HDMI Output 1 x VGA Output 1 x Analog 3.5mm audio Output	2 x USB 2.0 Host Type-A 1 x USB 3.0 Host Type-A 1 x DC Power Jack
Content Protection <sup>2</sup>	HDCP 2.x	
Power	<b>Input:</b> 12VDC, 3A   <b>Consumption:</b> 8.4W (typical), 36W (peak)	
Dimensions	8.66 x 5.66 x 1.99 inch (220 x 144 x 50.5 millimeter)	
Temperature	<b>Operating:</b> 0° – 40° C (32° – 104° F), <b>Storage:</b> -20° – 85° C (-4° – 185° F)	
Humidity	<b>Operating:</b> 20 – 80% non-condensing, <b>Storage:</b> 10 – 90% non-condensing	

1. Actual display resolution and quality depend on the wireless/network environment

2. Content protection is not available for macOS/iOS

## FOR MORE INFORMATION

Contact [channelsales@screenbeam.com](mailto:channelsales@screenbeam.com).

[screenbeam.com](http://screenbeam.com)

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ScreenBeam 1000 EDU is a 4K wireless display and collaboration platform for app-free wireless screen sharing for schools using Miracast, network connection or local Wi-Fi mode. Includes Classroom Commander, providing orchestration for up to 50 Windows 10 and Chromebook student devices.

Without the hassle or risks involved with deploying apps, dongles or buttons, ScreenBeam 1000 EDU supports native Windows, Android, Apple and Chromebook device screen mirroring, and fully enables Office 365 wireless collaboration for Windows 10 users.

	ScreenBeam 1000 EDU	Vivitek NovoPro	AirServer NUC	Barco wePresent WiCS-2100	Airtame 2
<b>List Price</b>	<b>€499 / £449*</b>	<b>€700 / £550*</b>	<b>€450 / £399*</b>	<b>€950 / £750*</b>	<b>€499 / £449*</b>
<b>Native Windows 10/8.1 Miracast Mirroring</b>	✓ <b>NO APP REQUIRED</b>	✓ Consumer-grade Wi-Fi	✓ Consumer-grade Wi-Fi		✓ Consumer-grade Wi-Fi, P2P only
<b>Native macOS/iOS Mirroring</b>	✓ <b>NO APP REQUIRED</b>	✓	✓	✓	✓
<b>Native Android 4.2+ Miracast Mirroring</b>	✓ <b>NO APP REQUIRED</b>	✓ Consumer-grade Wi-Fi	✓ Consumer-grade Wi-Fi		
<b>Native Chromebook/Chrome Mirroring</b>	✓ <b>NO APP REQUIRED</b>	✓	✓	✓	
<b>Extended Desktop</b>	✓ Windows 10 or macOS	✓ Windows 10 or macOS	✓	✓ macOS only	✓ macOS only
<b>Simultaneous Presenters on Screen</b>	4	4	4	4	1
<b>Quick Switch Presenters on Screen</b>	✓				
<b>Dual Wi-Fi with Hot Spot and Wireless Backhaul</b>	✓				
<b>Wireless Channel and Power Selection</b>	✓			✓	
<b>Native Office 365 Touch/Inking Collaboration</b>	✓ Windows 10				
<b>No-Latency Ghost Inking</b>	✓				
<b>Digital Signage</b>	✓				✓
<b>Protected Content Playback</b>	✓ Windows 10		✓ Windows 10		
<b>4K Output</b>	✓		✓		
<b>Centralized Management</b>	Server	Server		Server	Cloud
<b>Classroom Orchestration</b>					
<b>Number of Simultaneous Connections</b>	50 + 1	64	8	64 (LAN)	1
<b>Live Student Screen Monitoring</b>	✓	✓		✓	
<b>Student Device Locking / Screen Blanking</b>	✓	✓			
<b>Student Web Page Launching</b>	✓	✓			
<b>Student Messaging</b>	✓	✓			

\* Excluding VAT