

# IllumiNet Matrix

## Dynamic Display Matrix for Diverse Venues

IllumiNet is an advanced Software-Defined AVoIP System that lets users manage multiple screens effortlessly through a single app on your tablet. Designed for modern classrooms and workspaces, it streamlines the way content is shared, displayed, and controlled, creating a smoother and more engaging experience for everyone.

The IllumiNet system consists of two key components: the Matrix transceiver unit and the IllumiNet control app. Simply connect a Matrix unit to each display, and use an iPad running the IllumiNet App as your wireless control center. With just a few taps, users can share screens, switch sources, or split content across multiple displays—no complex setup or cabling required. Designed for both classrooms and conference rooms, IllumiNet delivers effortless, intuitive multi-screen collaboration.



### Product Features



#### Collaboration-Centric Environment

At the heart of IllumiNet is CollabSpot, a powerful collaboration engine that offers real-time screen sharing, multi-user annotation across multiple displays, individual device annotations, and instant content sharing—delivering the ultimate collaborative experience.



#### Premium Display and Connectivity Performance

Powered by Wi-Fi 6, the IllumiNet Matrix ensures optimized transmission speed and stability. It supports 4K wired input and true 4K wireless video casting and output, delivering stunning visual clarity across all displays.



#### Flexible System Integration

IllumiNet Matrix supports UVC (USB Video Class) and UAC (USB Audio Class) interfaces, enabling seamless integration with AV control systems and modern meeting environments such as BYOD (Bring Your Own Device) and BYOM (Bring Your Own Meeting) setups.



#### Open API Integration

IllumiNet Matrix offers a standard API suite for third-party system integration, along with customizable APIs upon request. It also supports integration with MDEP (Microsoft Device Ecosystem Platform), including MTR (Microsoft Teams Rooms) systems, ensuring broad compatibility and adaptability.



#### Intuitive and Flexible Design

Designed with user experience in mind, the IllumiNet App makes multi-display workspace management easy and intuitive. With simple drag-and-drop controls and color-coded UI, configuring and managing your multi-display environment has never been easier.



Feature List	IllumiNet Matrix Hardware		Feature Description	
	<b>USB Peripherals over IP</b>		<b>Collaboration Tools</b>	
	<b>Smart Screen Management</b>		Simultaneous Realtime Annotation	
	Wireless Display Rerouting		CollabSpot- Integrated Collaboration over IP System	
	MultiCast		<b>SmoothFlow Features</b>	
	Automatic Split Screen		One Click Casting (OCC)	
	<b>Wireless Freedom</b>		<b>Miscellaneous Features</b>	
	Comprehensive Wireless Solution		Comprehensive API Support	
	Dynamic Layout		True 4K Casting and Output	
	<b>Enhanced Screen Control</b>		Wi Fi 6	
	Screen Preview		Customizable Standby Screen	
	AVANote- Reverse Screen Sharing & Note-Taking		AMS - AVA's Cloud-based Central Management System	



## Product Specification

<b>CPU/SOC</b> Quad-Core ARM Cortex-A55, 2.0 GHz	<b>GPU</b> ARM G52 2EE Support 4K 60fps H.265/H.264/VP9 decoder	<b>Dimension</b> Length x Width x Height (Box) 100 x 106 x 25 mm
<b>OS</b> Android 11	<b>DDR</b> 2G DDR4	<b>ROM</b> 16G EMMC
<b>Wi-Fi</b> IEEE 802.11a/b/g/n/ac/ax, 2X2 MIMO	<b>USB</b> USB2.0 *1+ USB3.0 *1	<b>LAN</b> RJ45 10/100/1000M
<b>Video Output</b> HDMI 4K@60Hz	<b>Audio Output</b> HDMI	<b>Power Input</b> DC 12V 2A
<b>Operating Temp</b> 0~60 °C	<b>LED</b> Power: Red/Blue Network: Green	