

THE SIGNAL

Your Monthly Insight into AV, Multimedia & Robotics news

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VISUAL WORKS



LATEST AV TECH TRENDS to Watch

- Spatial Audio
- AI-Driven Automation
- Ultra-Fine Pitch LED

The AV landscape continues to shift toward immersive, intelligent systems. Spatial audio is redefining how soundscapes are designed, particularly in education, gaming, and virtual conferencing. We're also seeing increased adoption of AI-powered AV control systems, streamlining automation, predictive maintenance, and real-time analytics for smarter environments. In display tech, Ultra-Fine Pitch LED walls (sub-1.0mm) are gaining momentum, offering sharper images for control rooms, boardrooms, and high-end signage. These innovations promise higher engagement, reduced latency, and a more connected user experience.

Read more at AVIXA Insights

PRODUCT SPOTLIGHT

MAXHUB XBOARD V7 INTERACTIVE PANEL

The new **MAXHUB XBOARD V7** combines UHD display clarity with seamless whiteboarding, screen-sharing, and video conferencing. Choose the edition that fits your workflow: MAXHUB OS for an intuitive, all-in-one collaboration experience, or Microsoft Teams Rooms for a Windows-based meeting solution. Perfect for hybrid classrooms and executive boardrooms.

Also available: The U4 Android model, GDLA-certified for reliable performance.



Choose the edition that fits your workflow

ROBOTICS & MULTIMEDIA: Tips for Effective Integration

Incorporating robotics into multimedia isn't just for STEM labs anymore. From interactive museum displays to retail and broadcast environments, robotics brings dynamism and novelty to AV setups. Best practices include:

- **Synchronisation:**

Use standard protocols like ROS or MQTT for seamless control between AV systems and robotics platforms.

- **Content Mapping:**

Align robotic movement with real-time media playback or spatial audio zones to enhance immersion.

- **Safety First:**

Always factor in collision detection, emergency stop parameters, and audience proximity when programming interactive units.

- **Cross-Team Collaboration:**

Involve both AV technicians and robotics engineers during the planning phase to minimise integration friction.

Explore: RLAV Robotics Integration Guide



Industry Events & Webinars



Visual Works Customer Day

Red Hill, Durban North

July 15, 2025

Showcasing:

- Maxhub MTR Panel
- Maxhub Smart Lectern

📺 New product reveal - working on this one

RoboBusiness 2025

Santa Clara Conv Ctr
Oct 15–16, 2025
AI, & Robotics in
Enterprise
Solutions

The AV Show 2025

Warsaw, Poland
Oct 24–26, 2025
AV, Headphone
& Home Cinema

AV/IT Leadership Summit

Online Aug 15
Virtual event for CTO's
and AV decision-makers

Recommended Read

The New AV Frontier
by Brad Grimes

A must-read for AV professionals seeking to understand the convergence of IT, automation, and immersive tech.

This book breaks down complex innovations into actionable insights and forecasts where the AV and robotics industries are heading next.

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