



# The Future of AV Signal Transmission: Exploring the Versatility of SIIG 1x2, 1x4, and 1x8 HDMI Extenders

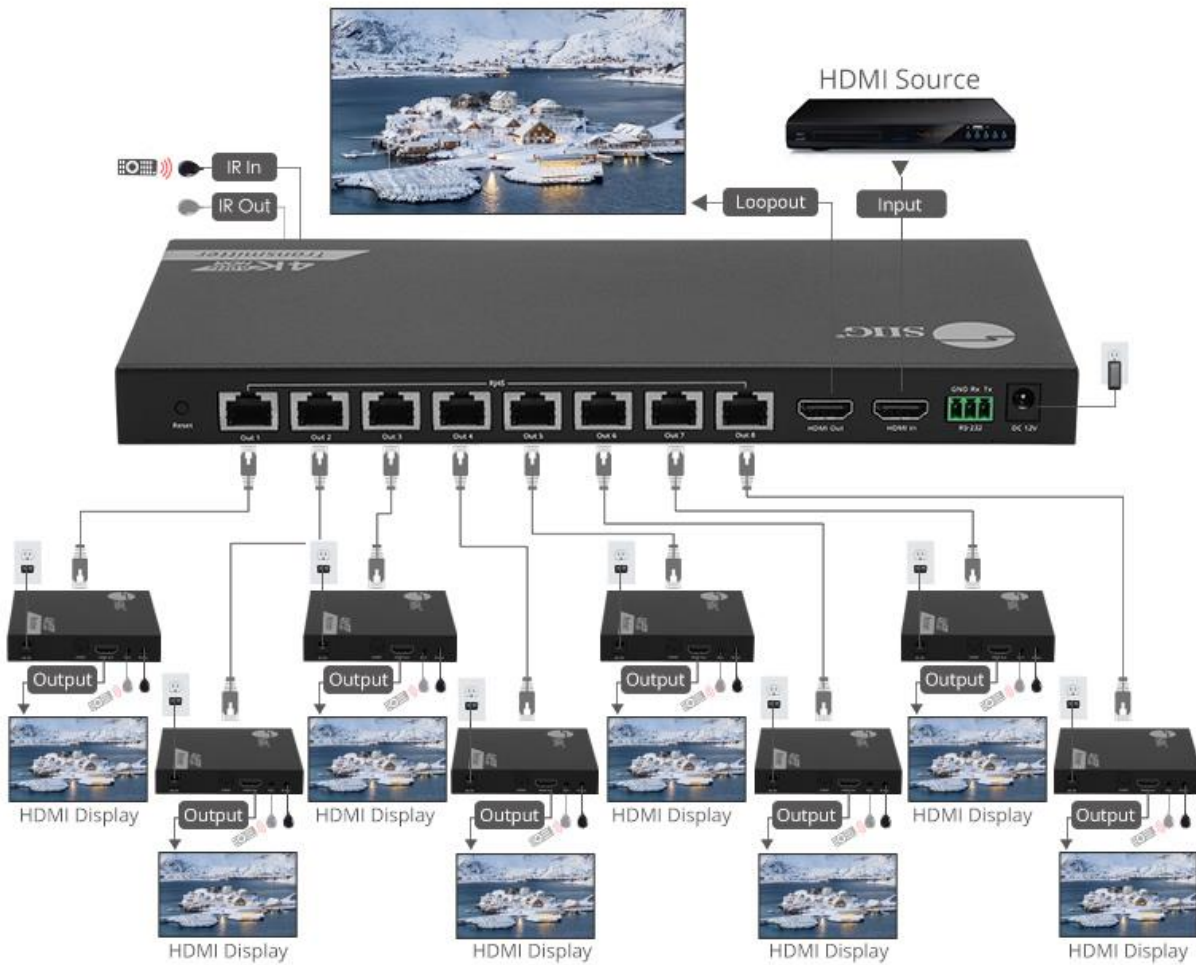
## Introduction

As AV environments become more complex, the need for high-quality, scalable solutions for signal distribution continues to rise. **SIIG's 1x2, 1x4, and 1x8 HDMI Extender/Splitters** provide a versatile solution, extending 4K@60Hz signals up to 230 feet (70m) over Cat6/7 cables. These extenders are designed for modern AV setups in environments like lecture halls, retail spaces, and corporate offices.

With features like HDR support, near-zero latency, bi-directional IR control, and audio extraction, SIIG's HDMI extenders future-proof AV installations and ensure reliable signal transmission across multiple displays.

# 1. Meeting the Demand for High-Performance HDMI Extenders

AV professionals require extenders that maintain signal integrity across long distances without compromising quality. **SIIG's extenders** are built for this, supporting 4K@60Hz resolutions with HDR and HDCP 2.2 compliance, delivering crystal-clear images in demanding environments.



With the ability to extend HDMI signals up to 230ft (70m) via Cat6/7 cables, these extenders are perfect for large spaces like auditoriums or exhibition halls. Additionally, their near-zero latency ensures real-time performance, crucial for applications like video conferencing and live broadcasts.

## 2. Key Features for Versatile Installations

- **ARC and Audio Extraction:** These extenders support Audio Return Channel (ARC), allowing audio from the display to return to the AV receiver, reducing cable clutter. Audio extraction via S/PDIF (Toslink) supports formats like Dolby 5.1 and DTS 5.1 for enhanced flexibility in audio management.
- **Bi-Directional IR Control:** Enables remote control of HDMI source devices from the display side, offering flexibility in controlling content across various environments.
- **EDID Management and RS-232 Control:** Fine-tune display settings and integrate these extenders into advanced control systems for seamless operation in professional AV installations.



## Conclusion

**SIIG's 1x2, 1x4, and 1x8 HDMI Extender/Splitters** provide AV professionals with a powerful, flexible, and future-ready solution for signal distribution. Whether you're handling a large conference room or a multi-display digital signage network, these extenders deliver the performance and features necessary to meet the demands of modern AV systems.