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Hospitality



5 Star Hotel, HK Function Room

A 5 Star hotel in Hong Kong has recently created a multi-purpose function room to be used by its international guests. The function room requires a minimal yet sophisticated A/V installation that will echo the hotel's sleek design and focus on quality. The multi-purpose function room (22m x 12m) consists of 5 HDMI displays which require access to 4K promotional materials from hotel and client provided sources such as a PC, laptop, android tablet and iPad. There is an additional 4 HDMI displays in the backroom to verify the output.

ATEN Solution Benefits



Superb UHD 4K transmission to 5 HDMI displays

Equipped with ATEN's latest FPGA graphics processor and EDID expert, the 4x4 HDMI HDBaseT-Lite Matrix Switch VM3404H and HDMI HDBaseT-Lite Receiver VE802R, process and transmit superb UHD 4K resolution images.

The versatile VM3404H's mirrored HDMI outputs can be used either as an additional display, or as in this instance, a means of verifying the output. With help from ATEN's 2-Port HDMI Splitter VS182A, the main function area can host 5 HDMI monitors.



Sleek infrastructure, bridging large distances

Both the VM3404H and VE802R are HDBaseT certified which minimizes cable clutter and eliminates the need for additional power outlets. Using the HDBaseT architecture, 4K content can be extended to displays up to 40 meters away from the VM3404H with a single Cat 6a cable, without interference.

Additionally, the Power over HDBaseT (POH) feature provides for a clean finish by powering the VE802R entirely through its Ethernet cable.

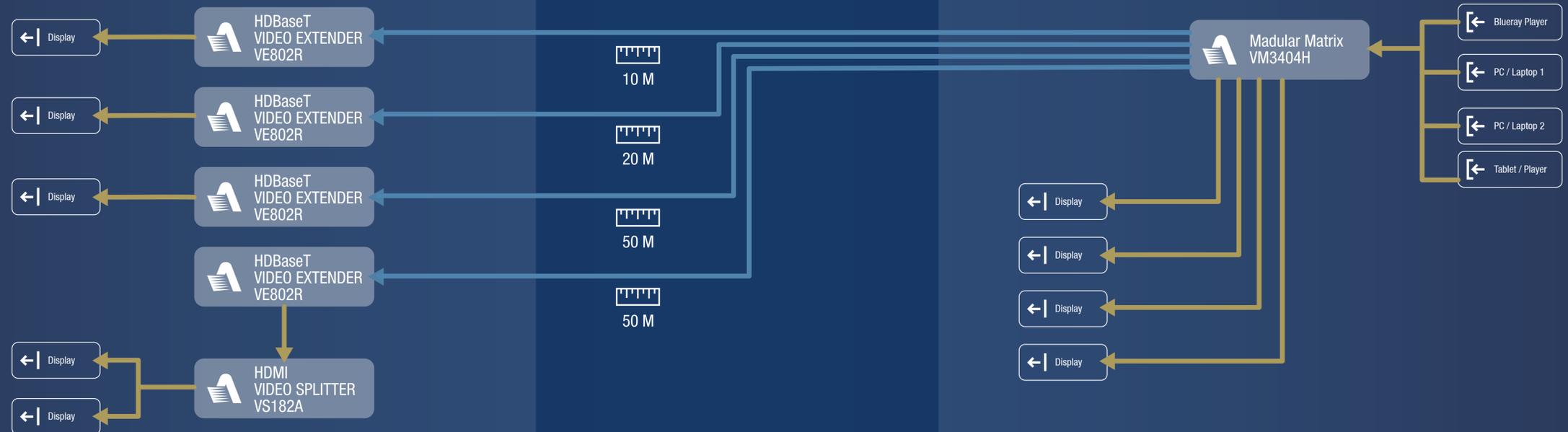
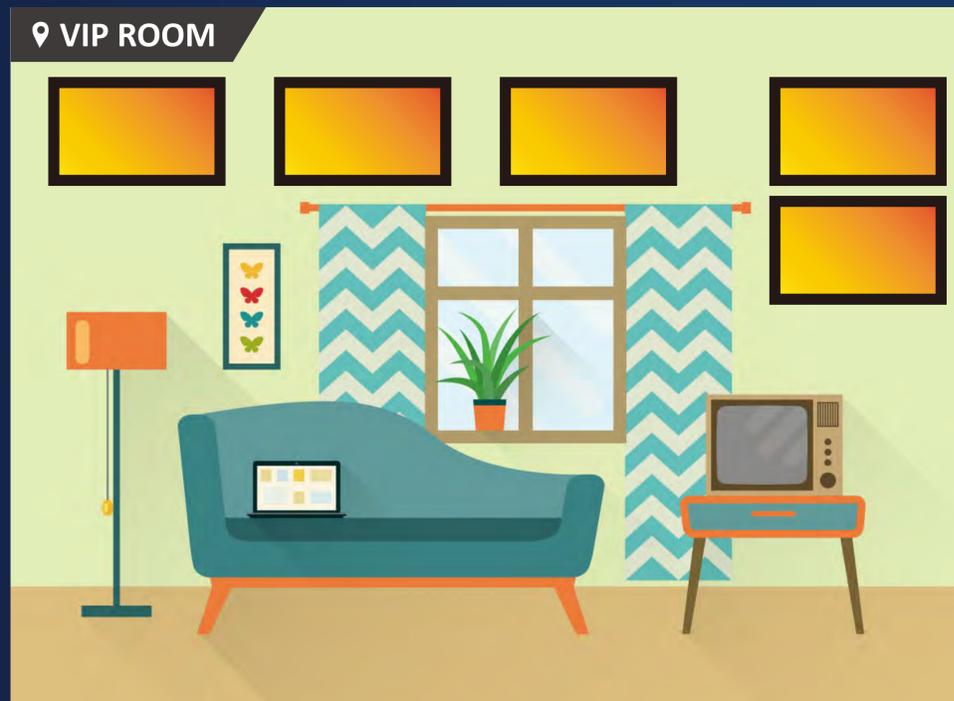


IR pass through and noise free performance

The VM3404H's IR pass through feature allows the switch to be controlled from anywhere, while being neatly tucked away from sight. This ensures the function room stays free of clutter and simplifies the control of content.

Additionally, the VM3404H maintains an optimal operation temperature without the noise of a cooling fan. The VM3404H is fitted with the ideal hardware for conference / training use which requires a quiet environment.

Solution Architecture



Product Overview

4x4 HDMI HDBaseT–Lite Matrix Switch

VM3404H



- Supports 4 HDMI inputs and mirrored 4 HDMI and HDBaseT outputs
- Power over HDBaseT (POH) – supplies power over a long distance from the switch to a receiver over a single Cat 5e/6/6a cable
- Multiple Control Methods – system management via front–panel pushbuttons, IR, RS–232 and Ethernet (Telnet / Web GUI) connections

HDMI HDBaseT–Lite Receiver

VE802R



- POH (Power over HDBaseT) – supplies power from Transmitter to Receiver over a long distance via one Cat 5e/6/6a cable
- HDBaseT Connectivity – extends an HDMI connection over a long distance via one Cat 5e/6/6a cable
- HDBaseT Anti–jamming – resists signal interference during high–quality video transmission using HDBaseT technology

2–Port HDMI Splitter

VS182A



- Connects one HDMI source to two HDMI displays at the same time
- Supports resolutions of up to Ultra HD 4kx2k and 1080p Full HD
- Plug–and–play – no software installation required