



Professional hardware and control solutions for **Digital Signage and Media distribution**

Conferencing &
Collaboration

Information &
Advertisement

Hospitality &
Events



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KVM over IP extender

KE6900 / KE6940

- push video
- videowall function
- dual view (KE6940)
- touch screen support
- DVI-I, audio, virtual media
- up to 1920 x 1200 @60Hz
- CCKM Matrix Manager software



splitters

VS1818T

- full HD (100m)
- 8 Output ports
- control via RS-232
- DCI 4K @60Hz (70m)
- extra local HDMI output



CHDBT™

long distance matrix switches

VM3909H

- up to 100m
- up to DCI 4K @60Hz
- 8/18 connection profiles
- 4/9 Inputs and 4/9 outputs
- 4/9 HDMI mirror output ports
- control via webGUI, IR, RS-232, ethernet



CHDBT™

wireless extenders

VE849, VE829

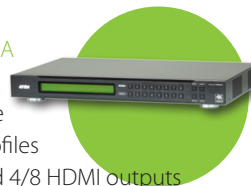
- control via IR
- full HD (30m)
- wireless HDMI
- WHDI technology
- multicast (VE849) or switch (VE829)



matrix switches

VM0404HA / VM0808HA

- up to DCI 4K @60Hz
- HDCP2.2 compatible
- 8/16 connection profiles
- 4/8 HDMI inputs and 4/8 HDMI outputs
- control via WebGUI, IR, serial, ethernet



modular matrix switches

VM1600 / VM3200

- power redundancy
- seamless switching
- up to DCI 4K @60Hz
- 32/64 connection profiles
- videowall and scaler function
- live stream function (VM3200)
- 16/32 inputs and 16/32 outputs
- control via WebGUI, IR, RS-232, ethernet



AV Extenders

VE802

- full HD (70m)
- DCI 4K @60Hz (40m)
- power over HDBaseT
- HDBaseT Lite = Class B
- supports IR and RS-232



CHDBT™

Seamless matrix switches

VM6404H

- seamless switching
- up to DCI 4K @60Hz
- 4 Inputs and 4 outputs
- up to 8 connection profiles
- videowall and scaler function
- control via WebGUI, IR, RS-232, ethernet



central hardware control

VK2100

- customizable app
- easy 3-step setup
- expansion boxes available
- compatible with 10,000+ hardware devices
- control via infrared, serial, I/O, relay and ethernet commands





Future-proof

- high quality video
- easily expandable
- multiple interfaces

Hardware-based

- high bandwidth capacity
- no operation system requirements
- protected content transmission

Instant control

- plug-and-Play
- customizable GUI
- central hardware control
- mobile and network control

High performance

- seamless switching
- scale to any resolution
- multiple control interfaces
- long distance transmissions

Conference room

Conference speakers present multiple reports and slideshows. They like to distribute content easily to multiple screens, handling it from a single device.

Combining ATEN's video matrix switches and hardware control system ensures seamless switching, high quality resolution and mobile control from a single tablet or PC. The installation allows speakers to control the entire presentation from start to end, without interrupting a presentation to switch buttons at several devices.

Thanks to a high density of input ports, personal devices can connect easily to the matrix. ATEN's hardware control system can control any device from ethernet, serial, IR, relay or I/O connection. It can thus handle lights, soundmixers, curtains, airconditioning and many more commonly used items.

- instant content switching
- source flexibility
- multiple screens and outputs
- central hardware control

Retail advertisement

Creative videowalls and large billboards inspire people. Therefore, seasonal trends are often visualised in mood videos throughout a gallery or showroom.

A video matrix switch can distribute and schedule content from multiple media sources to videowalls and digital signage screens. Regardless of software or operating system, a matrix switch connects HDMI, HDBaseT, VGA, DVI and SDI devices. ATEN matrix switches scale and distribute 4K-quality without any bandwidth concern via HDMI or HDBaseT connections.

Customized connection profiles guide content to the desired screens. Thanks to the award-winning webGUI, through which each ATEN matrix switch can be controlled, custom connection profiles are easy to setup via laptop or tablet. Alternative control options lie with serial, infrared or network signals.

- content scheduling
- videowall and matrix profiles
- scaling to multiple resolutions

Event Press-Room

Sharing new ideas, innovations and financial results with the press requires efficient media distribution. ATEN's video matrix switches support connectivity between multiple sources and screens, allowing videos, presentations and live streams to be distributed to any desired screen in a press area. A camera films the presenter. Two computers run the presentations. The matrix switch and video extenders ensure journalists at the back optimal visibility by duplicating the video signals to screens throughout the room.

Professional audiovisual infrastructure, massively used in press rooms, demands central and mobile hardware control. A moderator controls the entire setting. To avoid noisy rooms when multiple people talk simultaneously, the journalists' microphones are turned on only during a Q&A session. Commonly used hardware, such as lights, beamers and curtains, are controlled by the same system.

- Seamless media distribution
- instant and noiseless equipment control

Multi-purpose room

Almost every college, municipality or cultural center houses a polyvalent area used for theater, presentations and performances. Such rooms store professional lighting, sound mixing and various visualisation techniques.

ATEN's HDBaseT extenders come well in place to transmit high quality content along with infrared and serial signals, all through a single cat cable, which saves space and unnecessary installation cost. Through ethernet and serial connections, all commonly used hardware can be controlled and even automated, such as curtains, presentation screens and spotlights.

Meanwhile, a basic matrix switch helps to creatively distribute Ultra HD content to four to eight screens and projectors in the room. Four moveable screens are receiving content through a wireless extender.

- wireless extension
- Ultra HD media distribution
- multiple signals, single cable

Sports bar

TV channels are distributed instantly across the venue from a central server location to several areas thanks to a modular video matrix switch. Within less than a second, any channel can be re-distributed to any other screen connected.

Customers enjoy football, basketball and other competitions depending on the relax-area of their choice. In total, the venue counts 25 screens. The main games are watched in 4K on a large, central projection wall. Other games can be seen from smaller screens near the bar or at a lounge area.

At opening- and closing-time, the bartender controls the scheduling and distribution of 32 TV channels from a webGUI. Hardware automation combined with sensors tell if a room is without visitors, switching TVs off after a certain period of time.

- central content distribution
- sensor-enabled hardware automation

Restaurant

Interactive on-screen menus inform about the ingredients, flavours and history of the menu items. Being connected to a server responsible for stock management, all menu-choices are displayed based on ingredient availability. Distributed to multiple displays via an HDBaseT splitter, the up-to-date menu is visible to guests in every corner of the venue.

Thanks to an HDBaseT matrix switch, customers can watch TV series in the lounge area. The bartender can choose from a webGUI which content to play on which screen. With HDBaseT, screens from an upstairs floor can even be connected, since HDBaseT covers distances up to 100m.

With a hardware controller connected to all TVs and sources, all devices are switched on/off from a single tablet, simplifying control of the entire venue. Based on opening hours, it is even possible to switch power automatically.

- hidden sources
- content scheduling
- Simplified hardware control

Press-Room

A modular matrix switch (VM1600) handles the entire media distribution planning. It supports multiple input and output interfaces, seamless switching, scaling, time-scheduling and videowall functionality.

Supported by HDBaseT receivers (VE805R, VE801R), HDMI and HDBaseT signals are distributed from the serverroom to the conference room. One transmitter (VE801T) connects a special workstation for visitors to the matrix switch, able to transmit 4K content.

A hardware controller (VK2100) centralizes the control of the entire room in a single app. With a single button, all lights, curtains, micros and audio are controlled. A detailed workpanel in the interface, allows individual devices to be switched on and content to be selected for each screen.

