Hardware infrastructure for
control room management.

Security

Traffic

Broadcasting

Stock market

Business
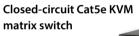
Virtual KVM matrix over IP system
KE6900 / KE6940

- 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

Closed-circuit Cat5e KVM matrix switch
KM0932 / KA7230

- push video
- expandable
- virtual media
- broadcast mode
- RS232 login option
- power redundancy
- 32 servers, 9 consoles
- multi-monitor support
- advanced security settings

Multi-view KVM switch
CM1164

- 4 DVI-D ports, USB2.0 hub, IR and audio
- expandable Daisy-Chain
- up to 1920 x 1200 @60Hz
- power-on detection
- quadview and picture-in-picture support
- independent switching: KVM, USB, audio

KVM switch
CS1768

- 8 DVI-I ports, USB2.0 hub and audio
- HDCP compatible
- operation broadcasting
- up to 1920 x 1200 @60Hz
- independent Keyboard, video, mouse and usb switching

KVM fiber extender
CE680 / CE690

- 600m / 20km
- DVI-D, RS-232, USB and audio
- remote PC wake-up support
- 3,125Gbps, 1920x1200@60Hz
- local and remote console ports
- HDCP and Touchscreen support

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

Modular matrix switches
VM1600 / VM3200

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

PDU for intelligent energy management
PE8208G / EcoSensors

- control by outlet
- overload protection
- equiped with environment sensors
- 8 Outlets (7x C13: 10A, 1x C19: 16A)
- free Eco Sensors management software included

Remote management
- secure storage
- cancelled noise
- mobile access & control

Flexible workspaces
- unlimited scalability
- efficient space management

Real-time monitoring
- push video
- multiview options
- flexible IT for small spaces

Ensured security
- adjustable authority levels
- encrypted communication

Traffic control

Incoming IP video signals are processed by computers in the serverroom. A virtual KVM matrix switch enables several traffic control agents to push a selection of streams to any desired workstation. With several security and user settings enabled, security breaches are avoided.

Thanks to the matrix's videowall function, the control agents can instantly enlarge and share a video with the other agents. They survey the data and take immediate action in case of incidents on the road. To ensure a constant traffic stream, the agents can instantly warn local, on-site officers, police or the emergency team.

- secure storage
- remote server access
- workstation flexibilty
- cancel noise in the control room

OB-van - broadcasting

OB-van workstations are known for their efficient use of space. Noisy servers are neatly seperated from the production area, while journalists easily switch and share workplaces. Via the user modes 'share', 'occupy' and 'exclusive', they can co-work on a project or exclude each other. While a server processes content for the evening news, the journalist virtually switches to a second PC and continues his work on another project.

A virtual KVM over IP matrix switch can be configured to serve dual view workstations or a videowall covering multiple screens.

The system comes with an easy-to-use OSD to manage the matrix. Equipped with a hardware control system, also power, aircondition and lights can be managed from a central location.

- noise-cancellation
- workstation efficiency
- advanced user settings

Stock market

The swift evolution of the financial market requires constant monitoring and immediate buyer access. A KVM over IP extender accesses financial statistics, from a single or dual view workstation, processed by one or multiple computers. The extender connects to a computer by viewing, sharing or occupying it.

A seamless matrix switch distributes views from 32 computers to 32 screens. Screens can be setup as a monitoring or videowall. ATEN HDBaseT and fiber extenders ensure secure and fast transmission using a single cable.

A hardware controller centrally manages the KVM matrix, videowall, all screens, computers and workstations via serial, IR and ethernet commands.

- serial automation and control
- instant multi-computer access
- fast and secure datatransmission

On-sea activities

An on-ship operations team manages multiple robots that film and complete precise underwater activies, such as dredging and on-sea construction work. A closed-circuit KVM switch helps the operators to savely connect to the computers addressing the robots.

A second KVM matrix switch, virtually enabled by a local network, enhances the internal operation of the ship. Dedicated computers, installed at several places onboard, are instantly accessed from any workstation onboard.

A surveillance team monitors the performance of the machines, pushing critical sound and videos to the captain via the virtual KVM matrix. Thanks to the reduced reaction and operation time, the overall safety increased onboard.

- clear and crisp images
- extreme environments
- closed-circuit vs virtual matrix

Healthcare & research

Many hospitals have their own lab to analyse samples. Each sample is monitored by a specific machine, which carries out setting-adjustments to test variables on command of a medical operator.

With a centralized operation system, enabled by a virtual KVM matrix switch, multiple machines are accessible from different workplaces. The medical team can reach all machines instantly. With one touch of a button, operators switch computers to modify each test's variables.

Thanks to a splitscreen KVM switch, 4 computers are monitored simultaneously from a single multiview workstation.

- interference free
- flexible workspaces
- instant control and response

Avalanches monitoring

In the Alpes, securely positioned cameras send videostreams of key mountain areas to monitor the environment and weather conditions.

A control center guards the safety of tourists. A large monitoring wall, composed by 16 screens, displays all key danger-zones. Thanks to a seamless matrix switch, 32 videostreams can be monitored. Each stream is scheduled to appear for a few seconds.

Thanks to the videowall function of the matrix switch, individual videostreams can be enlarged to cover multiple screens. Operators can seamlessly switch connection profiles, with a single click from a webGUI, which they access over IP from each of their workstations or tablets.

- mobile control
- video scheduling
- real-time coordination

Control Room

A large monitoring wall, enabled by a modular matrix switch (VM1600) supports multiple input and output interfaces, seamless switching, scaling, time-scheduling and videowall functionality.

A split-screen KVM switch (CM1164) allows 4 computers to be seen simultaneously on a single screen. Switch instantly between each of them.

Eight servers are easily controlled and maintained with a KVM switch (CS1768). Operations can be broadcasted to all of them at once.

A virtual KVM matrix switch (KE69X0, CCKM) pushes video to the workstations or monitoring wall. The advantage being not only to see, but also to take control of the computer, even to transfer files thanks to the USB peripheral port on the receiver device.

Two intelligent PDUs (PE8108G) control and analyse the power usage of the monitornig wall. Screens can be switched off individually or all together.

A hardware controller (VK2100) centralizes the control of the entire room in a single app.

Legend:
- DVI
- HDMI
- USB
- Power
- Cat5e/6A
- Control

Up to 70m

8x VE805R — PE8108G — 8x VE805R — PE8108G

VM1600

KE6900R — KE6940R — KE6900R — KE6940R

Mouse — Keyboard / mouse — Mouse — Keyboard / mouse

Control tablet — Control tablet

LAN

VK2100

Lights — Screen — Airco — Speakers — IP cam

Curtains — General tablet

4x DVI-D PC — CM1164 — 8x DVI-I PC — CS1768 — KE6900ST — CCKM PC

Dual view PC — Dual view PC

KE6900T — KE6900T — KE6940T — KE6940T