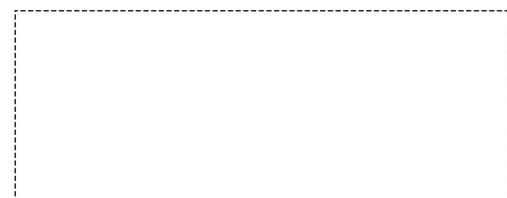


# DB-UniStation

KVM over fiber, with seamless integration of video wall controller



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# Overview

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Currently, operators have to use multiple keyboards and mice to manage multiple servers which significantly lowers the efficiency and increases the labor cost and risk of misoperation.



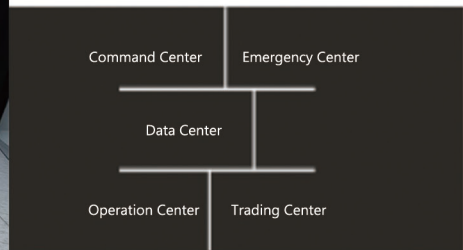
To address the issues, DigiBird designed and manufactured UniStation, Unified KVM Solution for Work Stations, to enhance resources security and operators' collaboration between workstations, also provide comfortable and efficient user experience.

With UniStation, all resources including KVM and audio can be displayed, consulted and manipulated on the operator's monitors on and video wall by one mouse and keyboard set.

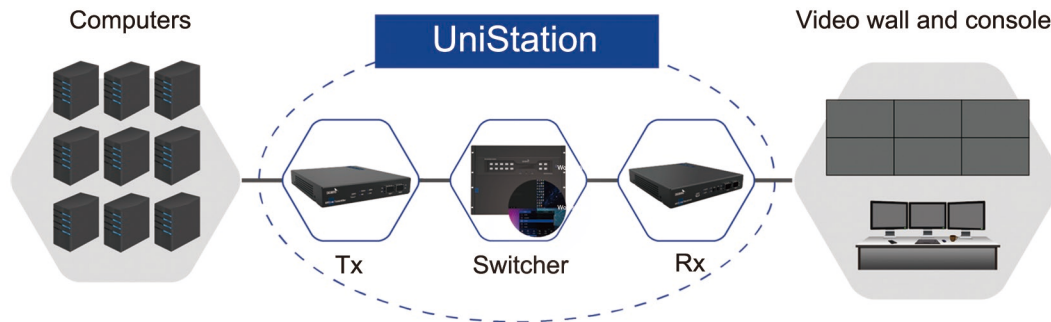
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# Application

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# System Constituent



## • Optical Transmitter (Tx)



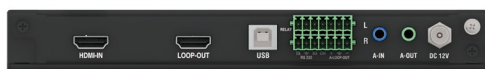
4KDP



4KHDMI



DP

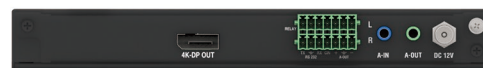


HDMI

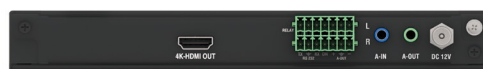


SDI

## • Optical Receiver (Rx)



4KDP



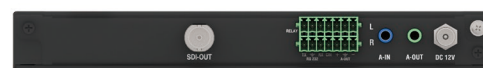
4KHDMI



DP

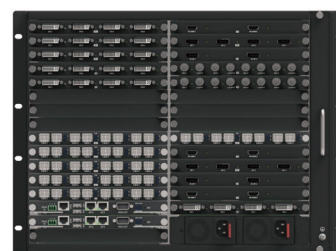


HDMI



SDI

## • Optical Matrix Switcher



# System Strength

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## 1. Ultra-scale

The fiber optical matrix switcher is capable to integrate up to 640 x I/O ports(customized), to meet the demand of ultra-scale system.

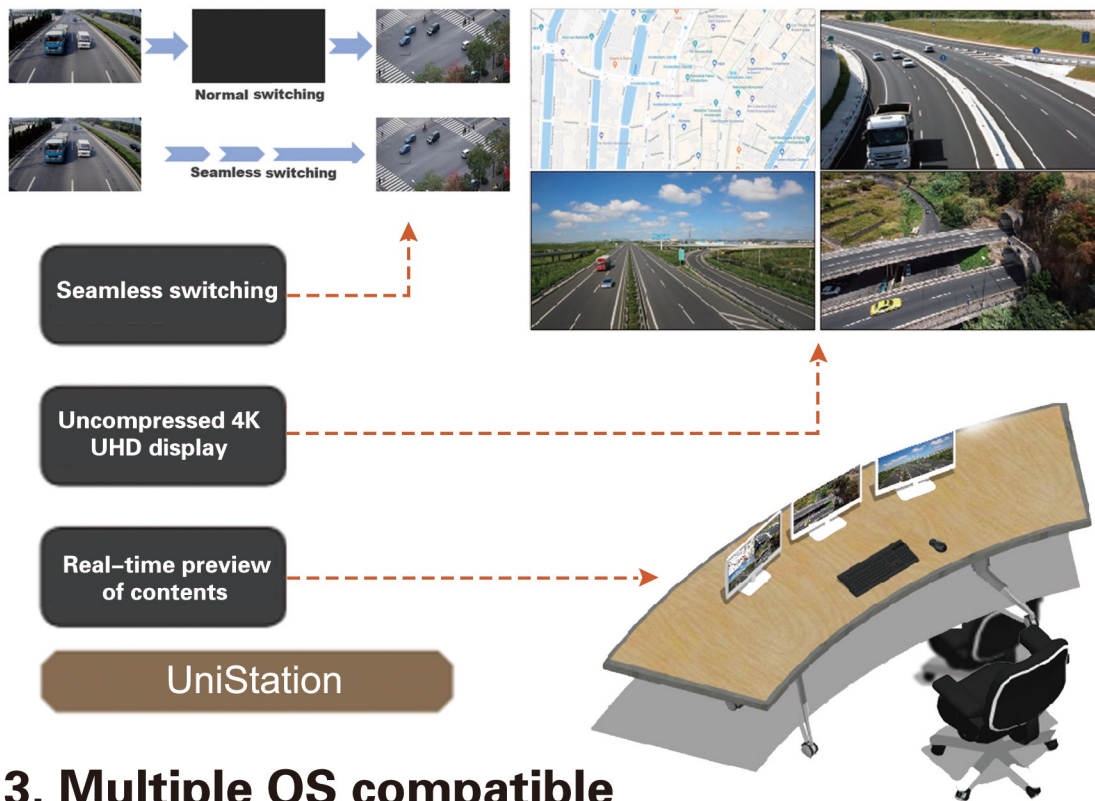
Modular designed chassis, I/O cards and multiple connectors interfaces offering high flexibility for configuration, expansion and maintenance.



# System Strength

## 2. Compression-free and Latency-free

Resources are transferred over fiber optical which could eliminate the concerns of image degradation. It supports instant switching of resources among different computers without blank intervals.



## 3. Multiple OS compatible

The system supports free mouse cursor slide among computers with different OS systems, including Windows, Linux and Mac. Furthermore, multi-head computers are also compatible.



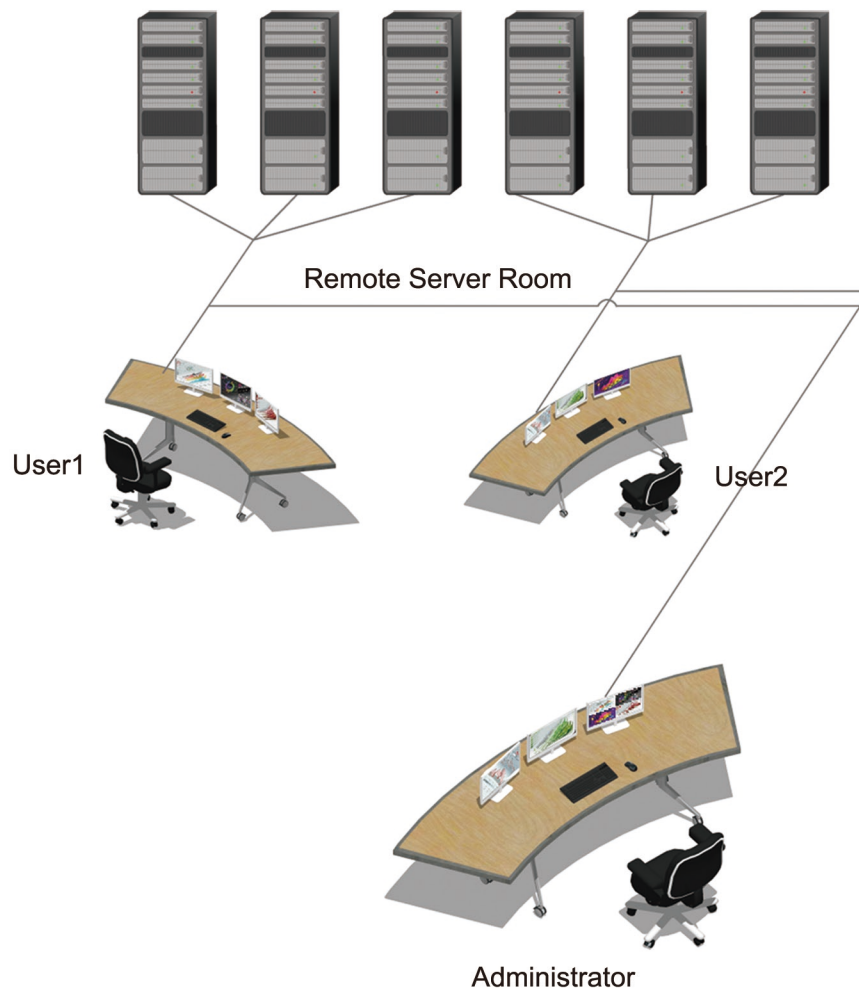
# System Strength

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## 4. Multi-levels access management

The administrator is capable to dispatch different accesses based on user roles, for example one user has full access to control portions of computers or only has access to view content but without keyboard/ mouse access.

Meanwhile, the user can apply for access by sending request if necessary.





# System Strength

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## 5. Physical isolation

All the computers are placed in a remote and dedicated server room, only the authorized staff have access to them.

Reduce the noise and heat dissipation and save the space in the working area.

Easy for maintenance and trouble shooting.



## 6. User collaboration

The user is able to push the resource to another work station for instant collaboration instead of moving the seat physically to eliminate face-to-face communication.



## System Strength

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### 7. Free cursor slide

The operator can monitor multiple resources on up to 8x displays positioned on the desk via only one keyboard/mouse set. Each screen can display up to 4x resources in quad-view mode. By freely slide mouse cursor among different monitors, the operator has the same experience as working on normal screen extension.



### 8. Video wall function

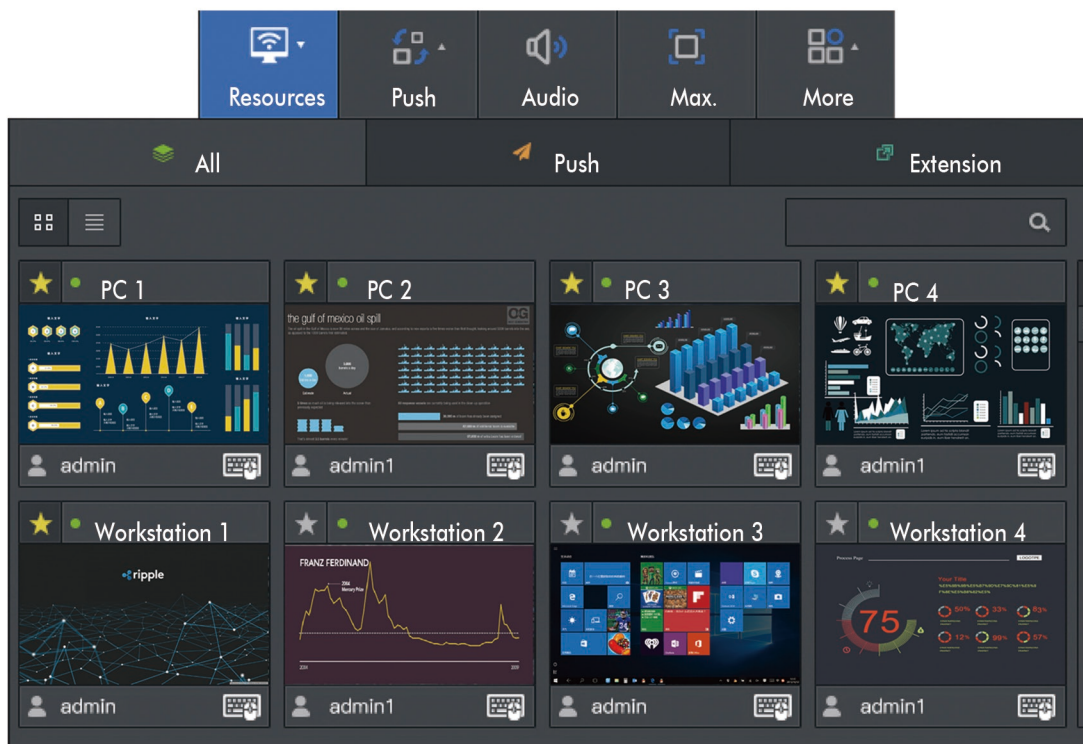
The UniStation is an all-in-one hardware with built-in video wall controller and KVM switcher together, it supports zooming, roaming and PIP, etc.



# System Strength

## 9. Mouse-based OSD control

By the mouse-based OSD, the operator is able to slide the mouse cursor to preview video content, switch resources, select work mode, and recall presets, etc.



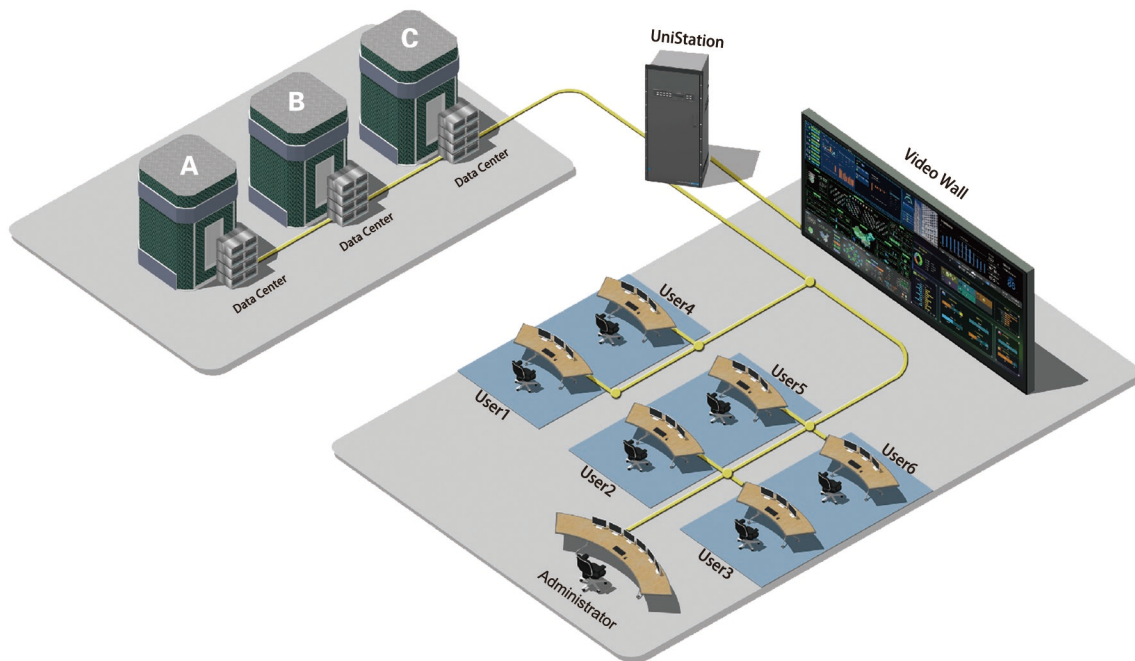
## 10.USB-Hid Device Compatible

UniStation is compatible with various USB 2.0, devices like memory disks, printers and scanners. which enable operator read and write data remotely.

## 11.Easy installation & construction

Fiber optical cable is simple for cabling and easy for maintenance should any failure, copper cable may require heavy labor work.

# Application Diagram



Fiber    USB    Video

