UNISTREAM-B

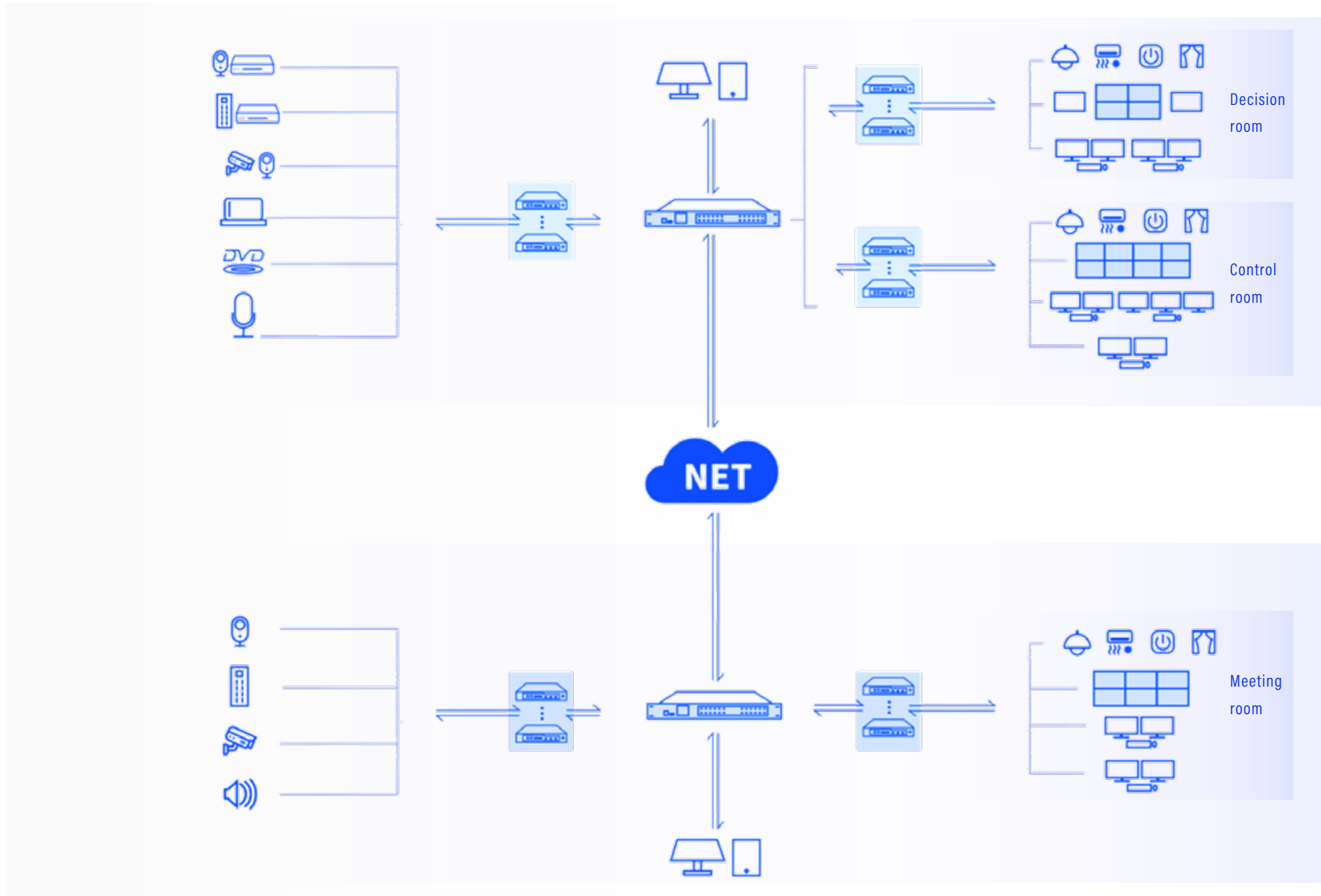## IP BASED KVM EXTENDER & MATRIX & VIDEO WALL CONTROLLER

OVERVIEW

UniStream-B is IP based AV&KVM solution which combines KVM extender with matrix
switcher and video wall controller to distribute streams through 1G network.
Applied H.265 codec, UniStream-B breaks the constrains of network
bandwidth and enables the deployment of large-scale project.

DIAGRAM

Decision room
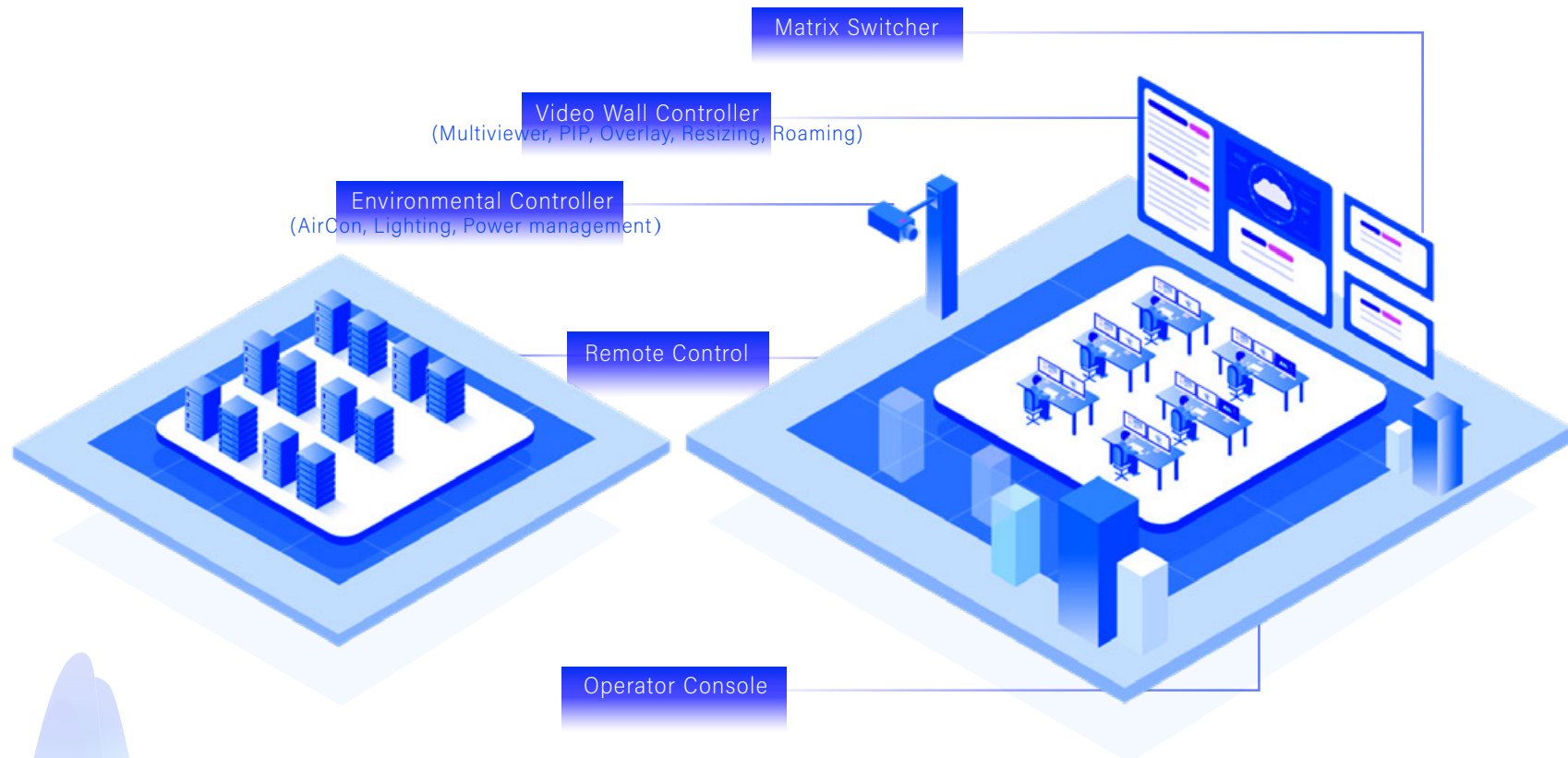
Control room

Meeting room

NET

SIMPLIFIED COMPLEXITY

To simplify your AV system, UniStream-B can
manage AV&KVM distribution,
switching and video wall displays without
the 3rd party devices such as a KVM switcher,
matrix and video wall controller.

USER CENTERED DESIGN

We believe in providing the operator with clean and
simple work-spaces that give the flexibility in a reliable
and resilient manner, To deliver on this promise,
UniStream-B has integrated the features of the AV&KVM
Matrix, Video Wall Controller, and Environmental Controller.

Matrix Switcher

Video Wall Controller
(Multiviewer, PIP, Overlay, Resizing, Roaming)

Environmental Controller
(AirCon, Lighting, Power management)

Remote Control

Operator Console

DIGIBIRD

USER COLLABORATION

push

follow

The modern control room requires its operators, supervisors and managers to collaborate effectively.

UniStream-B allows operators to voluntarily share desktop and KVM access to others for collaboration.
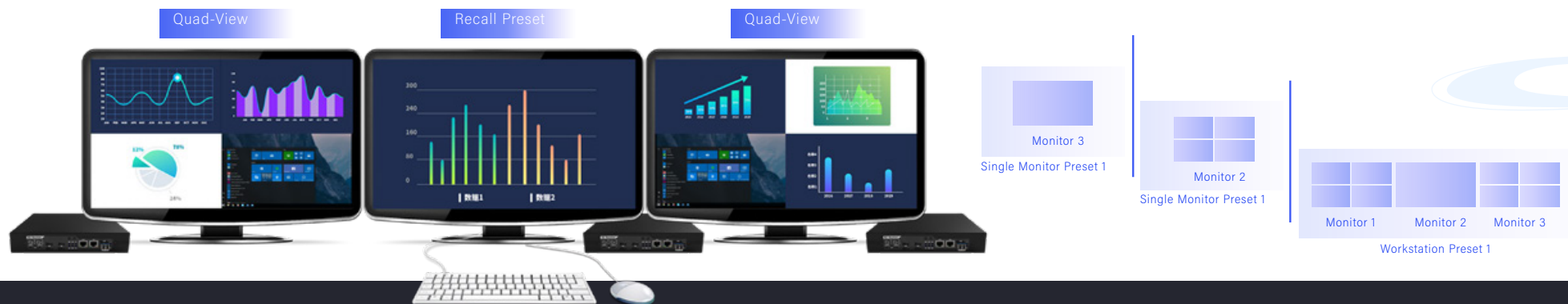
It also allows managers to supervise their staff through monitoring staff's desktop without prior notice.

CROSS MONITOR SWITCHING

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Featured with free slide among monitors, UniStream-B enables operator manager work with multiple monitors through one keyboard and mouse set.

For each monitor, operator can either enable single-view towork on details or quad-view to watch more computers.

Wherever the mouse cursor is, there will be customized color boundary that indicates which computer you are working on.

Quad-View

Recall Preset

Quad-View

Monitor 3

Single Monitor Preset 1

Monitor 2

Single Monitor Preset 1

Monitor 1   Monitor 2   Monitor 3

Workstation Preset 1

With less devices on console, UniStream-B delivers an ergonomic workspace to increase operator efficiency and productivity. Switching between computers can be executed over mouse-based OSD menu.
Operator has access to live preview source content before switching to avoid maloperation.

Operator can save presets for individual monitor or whole workstation, and simply call them out via OSD menu or hot keys.
Configuration is subject to user account.
It is not necessary to remember preferred and required presets when shift duty or move to other seats.

USB-HID DEVICES COMPATIBLE

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The system is compatible with USB-Hid devices, such as web camera, printer and scanner, even computers are stored in remote locations.

SECURED LOGIN & REMOTE POWER ON/OFF

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Face ID   Finger Print

信号源   抓
On/Off
Power On
Power Off
Restart

300
240
160
80
0
|data1 |data2

UniStream-B offers a smart method to manager user account. Log in over Face ID and Finger print is supported.

Operator is able to power on or power off remote computers over OSD menu at workstation.

CONSTITUENTS

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AV TRANSMITTER AND RECEIVER

DESCRIPTION

AV distribution and switching

SPECS

Interface:	HDMI/4K HDMI/ DP/ 4K DP/DVI-I/SDI
Max Resolution:	4K/60
Audio:	3.5mm mini-jack input, 3.5mm mini-jack output, phenix loop out
Control:	IR, serial port, relay, LCD panel.
Codec:	H.264/H.265
Power:	12V DC or POE
Multiviewer:	1/4/9/16 multiple viewer

VW RECEIVER

DESCRIPTION

Video wall management receiver

SPECS

Interface:	HDMI/4K HDMI/ DP/4K DP/DVI-I/SDI
Max Resolution:	4K/60
Audio:	3.5mm mini-jack input, 3.5mm mini-jack output, phenix loop out
Control:	IR, serial port, relay, LCD panel.
Codec:	H.264/H.265
Power:	12V DC or POE
Multiviewer:	1/4/9/16 multiple viewer
Video Wall Display:	overlay, PIP, resizing and roaming.

KVM TRANSMITTER AND RECEIVER

DESCRIPTION

KVM distribution and switching

SPECS

Interface:	HDMI/4K HDMI/ DP/4K DP/DVI-I/SDI
Max Resolution:	4K/60
Audio:	3.5mm mini-jack input, 3.5mm mini-jack output, phenix loop out
Control:	IR, serial port, relay, LCD panel.
KM Port:	2x USB-Type A for keyboard and mouse
USB Port:	2x USB-Type A for USB-Hid devices
Codec:	H.264/H.265
Power:	12V DC or POE
Multiviewer:	single view and quad-view on monitors

4. KVM&USB TRANSMITTER AND RECEIVER

DESCRIPTION

KVM and USB2.0 distribution and switching

SPECS

Interface:	HDMI/4K HDMI/ DP/4K DP/DVI-I/SDI
Max Resolution:	4K/60
Audio:	3.5mm mini-jack input, 3.5mm mini-jack output, phenix loop out
Control:	IR, serial port, relay, LCD panel.
USB Port:	2x USB-Type A for keyboard and mouse
Codec:	H.264/H.265
Power:	12V DC or POE
Multiviewer:	single view and quad-view on monitors

CONSTITUENTS

DIGIBIRD

UNISTREAM-B CONTROLLER

DESCRIPTION

Manage up to 100
transmitters /receivers
Web-based control with live preview
Multiple users simultaneously
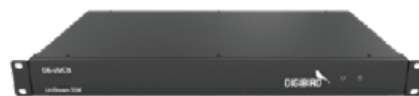
SPECS

1U chassis,

483x 260x 45
(LxDxH mm)

with mounting rack

Up to 6x Serial ports
and 2x RJ45 ports

Redundant PSU

UNISTREAM-B CONTROL SERVER

DESCRIPTION

Manage up to 1000
transmitters /receivers
Web-based control with live preview
Multiple users simultaneously
Control 3rd party central controller,
audio processor and relay.

SPECS

2U chassis,

483x 350x 89
(LxDxH mm)

with mounting rack

Up to 6x Serial ports
and 2x RJ45 ports

Redundant PSU

TRANSMITTER/RECEIVER

DESCRIPTION

Mounting rack to store
transmitter /receiver

SPECS

1U chassis,

483x 200x 42.5
(LxDxH mm)

with mounting rack

Store 2x transceivers
With LCD display panel

Support push button
customization

TRANSMITTER/RECEIVER

DESCRIPTION

Chassis to store and power
transmitter /receiver cards

SPECS

1.5U chassis,

483x 247x 66
(LxDxH mm)

with mounting rack

Store 4x transceiver cards
With LCD display panel

Support push button
customization

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www.digibirdtech.com

contact us
sales@digibirdtech.com