

JIU43 - KVM

18G 4x3 VC SWITCHER W/ CHARGING

4K60 BYOM and room-PC switcher with USB-C charging, USB 3.0 hub, audio de-embedding and integrated room control.

18 Gbps	4K60 4:4:4	BYOM	60W USB-C	USB 3.0 HUB	TCP/IP
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01 OVERVIEW

The Jistron JIU43-KVM is an HDMI 2.0 web-conferencing room switcher designed to simplify meeting-room and presentation-space integration. It provides BYOM and Standard operating modes with three HDMI inputs, one USB-C input and three HDMI outputs. The USB-C input supports video, USB host data and up to 60W charging, while the built-in USB 3.0 hub integrates room peripherals such as cameras and microphones. TCP/IP, Digital I/O, contact control, EDID management, CEC scheduling and audio de-embedding support complete room-system automation.

02 KEY FEATURES

- 4K60 4:4:4 video**
HDMI 2.0 and HDCP 2.2 support with video resolutions up to 4K@60Hz 4:4:4 and HDR.
- USB-C 60W charging**
USB-C input carries AV, USB host data and external charging up to 60W for connected laptops.
- 3 HDMI outputs**
Two display outputs plus one share output support flexible room and presentation routing.
- Audio de-embedding**
3.5mm analog audio output provides de-embedded room audio with volume control support.
- BYOM + Standard modes**
Automatically or manually switches between bring-your-own-meeting and dedicated room-PC workflows.
- Integrated USB 3.0 hub**
Four-port USB 3.0 device hub supports cameras, microphones and other collaboration peripherals.
- Professional control**
TCP/IP, Digital I/O, contact triggers, front panel and Web GUI provide integrated system control.
- CEC & scheduling**
Built-in event scheduling and CEC control support automated display and room workflows.

03 VIDEO, USB & CONTROL CAPABILITIES

HDMI 2.0	HDCP 2.2	18Gbps	BYOM	USB 3.0	CEC	TCP/IP
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04 SIGNAL MANAGEMENT & SYSTEM FUNCTIONS

1 BYOM MODE

Laptop USB-C or HDMI routes to room displays while USB peripherals follow the BYOM host.

3 AUTO SWITCHING

AUTO mode detects laptop USB-C or USB-B presence to select BYOM or Standard operation automatically.

5 EDID MANAGEMENT

Rear-panel DIP switch provides built-in, copied and pass-through EDID options for connected displays.

7 OCCUPANCY INTEGRATION

Digital I/O supports sensor integration with selectable 5V or 12V power for room automation.

2 STANDARD MODE

Room-PC HDMI sources route to displays while laptop content can be sent to the dedicated share output.

4 MANUAL SWITCHING

Manual mode allows BYOM or Standard selection through the Web GUI or contact-based control logic.

6 EVENT SCHEDULING

Web GUI supports scheduled system-on/system-off actions and event-based room automation.

8 CONTACT TRIGGERS

Two contact inputs can trigger BYOM/Standard or other configured events and workflows.

05 CONNECTIVITY & INTEGRATION

■ BYOM input set

HDMI, USB-C and USB-B host connectivity supports flexible personal-device collaboration.

■ USB device hub

Four USB 3.0 device ports support shared room peripherals such as USB cameras and microphones.

■ Web GUI control

TCP/IP interface provides mode, events, schedule, network and system configuration.

■ Room-PC input set

Two HDMI room-PC inputs with USB-B host connectivity support dedicated conference systems.

■ Three HDMI outputs

Two dedicated display outputs and one independent share output are provided.

■ Audio output

Analog audio de-embedding supports external playback systems and room audio integration.

06 TECHNICAL SPECIFICATIONS

VIDEO	
Video inputs	3 x HDMI, 1 x USB-C
Input connectors	3 x Type-A female HDMI, 1 x USB-C
Input video resolution	Up to 4K@60Hz 4:4:4, HDR
Video outputs	3 x HDMI
Output connectors	3 x Type-A female HDMI
Output video resolution	Up to 4K@60Hz 4:4:4, HDR
HDMI standard	Up to HDMI 2.0
HDCP version	Up to HDCP 2.2
Bandwidth	18Gbps
AUDIO	
Audio output	1 x AUDIO OUT
Audio connector	1 x 3.5mm jack
Frequency response	20Hz to 20kHz, +/-3dB
Max output level	2.2 +/- 0.1Vrms
THD+N	< 0.1%, 20Hz to 20kHz bandwidth, 1kHz sine at 0dBFS level
SNR	> 80dB, 20Hz to 20kHz bandwidth
Crosstalk isolation	< -70dB, 10kHz sine at 0dBFS level
L-R level deviation	< 0.3dB, 1kHz sine at 0dBFS level
Output load capability	1k ohm and higher (supports 10x paralleled 10k ohm loads)
Noise level	-75dB
CONTROL & USB	
Control ports	TCP/IP, firmware, Digital I/O, contact, USB host and USB device interfaces
USB-C charging	Up to 60W
USB device hub	4-port USB 3.0 client hub

06 TECHNICAL SPECIFICATIONS - CONTINUED

CONTROL & GENERAL	
Control connectors	1 x RJ45, 1 x Mini-USB, 2 x 3-pin terminal blocks, USB-B host interfaces and USB device interfaces
Switching modes	AUTO and MANUAL; BYOM and Standard room modes
EDID management	4-pin DIP switch with built-in, copy and pass-through modes
Web control	TCP/IP Web GUI with events, schedule, network and system settings
Operating temperature	-5°C to +55°C
Storage temperature	-25°C to +70°C
Relative humidity	10% to 90%, non-condensing
External power supply	24V DC 5A
Power consumption	70W max.
Dimensions (W x H x D)	220 x 25 x 110 mm
Net weight	0.55 kg

07 ORDERING INFORMATION

MODEL	DESCRIPTION	KEY CAPABILITIES
JIU43-KVM	18G 4x3 VC Switcher with USB-C Charging and BYOM / Standard Room Modes	4K60 · 18Gbps · BYOM · 60W USB-C · USB 3.0 · TCP/IP

Specifications are derived from the JIU43-KVM product documentation and are subject to change without prior notice.

08 ABOUT JISTRON

Jistron is a European audio-visual brand headquartered in Tallinn, Estonia. It supplies professional conference, control and AV infrastructure solutions for meeting rooms, command environments and integrated installations.

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