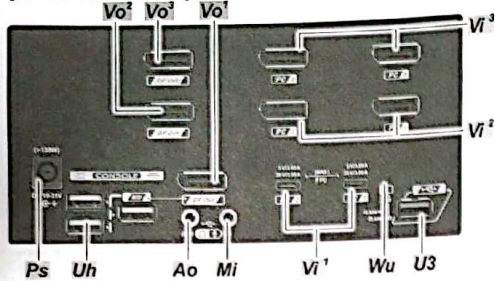


[CAHBP-P3132-12 Rear]

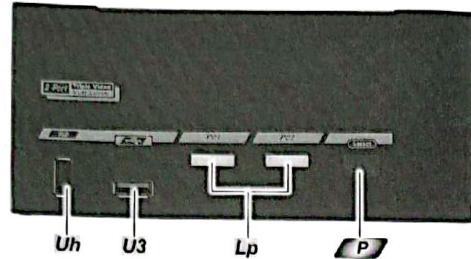


Label	Description
Vi1	USB-C Input* Connect to PCs' USB-C Ports (Main Video)
Wu	USB-C Bandwidth Switch Select USB-C Bandwidth (2-Lane + U3 / 4-Lane + U2)
Vi2	DP 1.4 Video Input Connect to PCs' DP 1.4 Ports (Extended Video 1)
Vi3	DP 1.4 Video Input Connect to PCs' DP 1.4 Ports (Extended Video 2)
Uh	USB HID Port Connect to an USB HID Console (Keyboard / Mouse)
U3	USB 3.2 Sharing Port** Connect to an USB 2.0 / 3.2 Device
Vo1	4K DP Output Connect to an DP Monitor (MAX. 4K@60Hz, Main)
Vo2	DP 1.4 Output Connect to an DP Monitor (DP 1.4, Extended Video 1)
Vo3	DP 1.4 Output Connect to an DP Monitor (DP 1.4, Extended Video 2)
Ao	Audio Output Connect to an Active Speaker
Mi	Microphone Input Connect to an Active Microphone
Ps	Power Supply Connect to DC 19~21V

* The USB-C Is Based on DisplayPort Alternate Mode
 ** The USB 3.2 Gen 1 Ports Run at 480Mbps or 5Gbps, Depending on USB-C Mode Selected
 A3

Product Description [CAHBP-P3132-13]

[CAHBP-P3132-12 Front]



Label	Description
P	PC Select Button Click to Switch between PC1 & PC2
Lp	PC Status LED Green : PC Ready (Power On) Red : PC Selected (Power On)
U3	USB 3.2 Gen 1 Port* Connect to an USB Device
Uh	USB HID Port Connect to KB / MS / Touch Screen

* The USB 3.2 Gen 1 Ports Run at 480Mbps or 5Gbps, Depending on USB-C Mode Selected

A2

Features

- Allows 2 PCs Share 1 Set of KVM Console
- USB-C Video (Main) Supports Most Popular Resolutions Up to 4K@60Hz (4:4:4)
- DP 1.4 Video (AUX) Supports Most Popular Resolutions Up to 8K@60Hz (4:4:4) (Along with VRR / DSC / High-FPS Gaming Applications)
- 20V USB-C PD Allows User to Flexibly Deliver USB-C Power and Keeps the Laptop Plugged-in. Also Supports USB 5V Charging Up to 3A.
- USB-C Bandwidth Allocation Allows Wider Compatibility Including Two Types :
 - 4-Lane + USB 2.0 (Apply in Most Cases)
 - 2-Lane + USB 3.2 Gen 1
- USB Audio Simplifies Physical Connections with Unique USB Audio Allocations :
 - 0 : Disable USB Audio
 - 1 : USB MIC Only
 - 2 : USB SPK & MIC
 - 3 : USB SPK Only
- HDCP 2.2 and HDCP 1.4 Compliance
- HDR10 Support for Best Visual Experience (DP 1.4 Videos Only)
- USB 3.2 Gen 1 Provides Excellent 5 Gbps Speed
- Front USB Allows Easy Access

Package Contents

- KVM Switch x 1
- Power Adapter (20V, 120W) x 1
- User's Manual x 1
- Foot Pad Set x 1

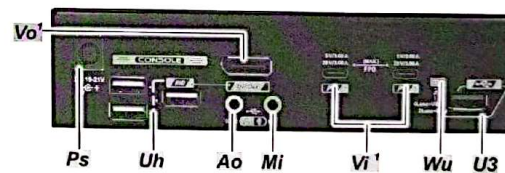
System Requirements

- Console side**
- DisplayPort Monitors (& Cables)
 - USB Keyboard
 - USB Mouse
 - Active Speaker & Microphone
- Computer side**
- USB-Enabled Computer
 - USB Type-C Cables (40Gbps Recommended)
 - DP 1.4 Cables

A1

Product Description [CAAB-P3112-13]

[CAAB-P3112-13 Rear]



Label	Description
Vi1	USB-C Input* Connect to PCs' USB-C Ports (Main Video)
Wu	USB-C Bandwidth Switch Select USB-C Bandwidth (2-Lane + U3 / 4-Lane + U2)
Uh	USB HID Port Connect to an USB HID Console (Keyboard / Mouse)
U3	USB 3.2 Sharing Port** Connect to an USB 2.0 / 3.2 Device
Vo1	4K DP Output Connect to an DP Monitor (MAX. 4K@60Hz, Main)
Ao	Audio Output Connect to an Active Speaker
Mi	Microphone Input Connect to an Active Microphone
Ps	Power Supply Connect to DC 19~21V

* The USB-C Is Based on DisplayPort Alternate Mode
 ** The USB 3.2 Gen 1 Ports Run at 480Mbps or 5Gbps, Depending on USB-C Mode Selected

A6

User's Manual

2 Ports USB-C KVM Switch with Hybrid Video, Multi-Monitor, USB 3.2 Gen 1, USB Audio, PD Charging, Hotkey Control



Order Information

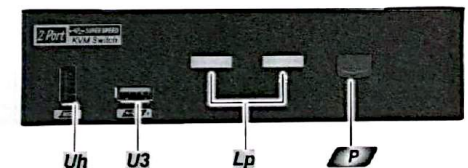
Model	Video Inputs	USB-C PD	USB-C Bandwidth Allocation
CAHBP-P3132-13	4K USB-C x1, DP 1.4 x2 (Triple-Video)	MAX 120W (Total)	2-Lane + USB 3.2 or 4-Lane + USB 2.0
CAHBP-P3122-13	4K USB-C, DP 1.4 x1 (Dual-Video)		
CAAB-P3112-13	4K USB-C x1 (Single-Video)		

Nueteq Technology, Inc.
 8F, No.1, Jinsan North Road,
 Zhongzheng Dist., Taipei City 100, Taiwan

The final specification is the actual product based
 Features and functions may be added or changed
 after the manual was written. Please visit our
 website to download the latest version of manual
 for reference.

PP5-G4CA32Z-001

[CAAB-P3112-13 Front]



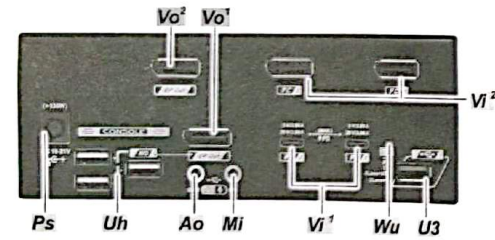
Label	Description
P	PC Select Button Click to Switch between PC1 & PC2
Lp	PC Status LED Green : PC Ready (Power On) Red : PC Selected (Power On)
U3	USB 3.2 Gen 1 Port* Connect to an USB Device
Uh	USB HID Port Connect to KB / MS / Touch Screen

* The USB 3.2 Gen 1 Ports Run at 480Mbps or 5Gbps, Depending on USB-C Mode Selected

A7

Product Description [CAHBP-P3122-13]

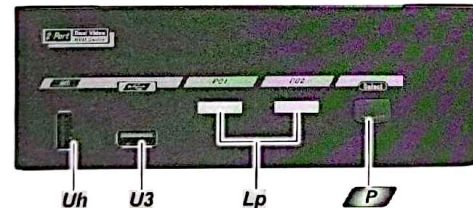
[CAHBP-P3122-12 Rear]



Label	Description
Vi1	USB-C Input* Connect to PCs' USB-C Ports (Main Video)
Wu	USB-C Bandwidth Switch Select USB-C Bandwidth (2-Lane + U3 / 4-Lane + U2)
Vi2	DP 1.4 Video Input Connect to PCs' DP 1.4 Ports (Extended Video 1)
Uh	USB HID Port Connect to an USB HID Console (Keyboard / Mouse)
U3	USB 3.2 Sharing Port** Connect to an USB 2.0 / 3.2 Device
Vo1	4K DP Output Connect to an DP Monitor (MAX. 4K@60Hz, Main)
Vo2	DP 1.4 Output Connect to an DP Monitor (DP 1.4, Extended Video 1)
Ao	Audio Output Connect to an Active Speaker
Mi	Microphone Input Connect to an Active Microphone
Ps	Power Supply Connect to DC 19~21V

* The USB-C Is Based on DisplayPort Alternate Mode
 ** The USB 3.2 Gen 1 Ports Run at 480Mbps or 5Gbps, Depending on USB-C Mode Selected

[CAHBP-P3122-13 Front]



Label	Description
P	PC Select Button Click to Switch between PC1 & PC2
Lp	PC Status LED Green : PC Ready (Power On) Red : PC Selected (Power On)
U3	USB 3.2 Gen 1 Port* Connect to an USB Device
Uh	USB HID Port Connect to KB / MS / Touch Screen

* The USB 3.2 Gen 1 Ports Run at 480Mbps or 5Gbps, Depending on USB-C Mode Selected

A5

Specifications [CAHBP-P3132-13]

Model Number	CAHBP-P3132-13	
MAX. Resolution	4K@60Hz (4:4:4) (Main, USB-C) 8K@60Hz (4:4:4) (AUX, DP 1.4)	
Interfaces	PC Side	Console Side
Video Switching (AUX ²)	DP 1.4 x 2 (In)	DP 1.4 x 1 (Out)
Video Switching (AUX ¹)	DP 1.4 x 2 (In)	DP 1.4 x 1 (Out)
Video Switching (Main)		4K DP x 1 Rear USB : USB HID x 3 (A) USB 3.2 x 1 (A) Front USB : USB HID x 1 (A) USB 3.2 x 1 (A) SPK x 1 (Out) MIC x 1 (In)
USB 3.2 Switching	USB-C x 2 (DP Alternate Mode)	
USB Audio Switching		
USB-C Bandwidth Allocation [*] (Apply 4-Lane + U2 in Most Cases)	4-Lane + USB 2.0 2-Lane + USB 3.2	
MAX. USB-C PD	PC1 : 20V@3A PC2 : 20V@3A	
Control Methods	Push Button / Hotkey (USB HID)	
HDCP Compliance	HDCP 2.2 & HDCP 1.4	
Hot Plug-and-Play	Yes	
Push Buttons	PC Select x 1	
Slide Switches	USB-C Bandwidth x 1	
LED Indicators	PC-Ready x 2, PC-Select x 2	
Power supply	DC 19~21V	
Operation Environment	0~40°C, Humidity<80% (Storage : -20~60°C)	
H x W x D (mm)	75 x 160 x 100	
Weight (g)	900	
Material	Metal	

* Switch between Modes Only when Power Is Off. Certain Source Devices Works Only in Either One Mode. User Should Try out Which Mode Works with The Source Device Best. The 4-Lane Mode Is Compatible with Most Source Devices.

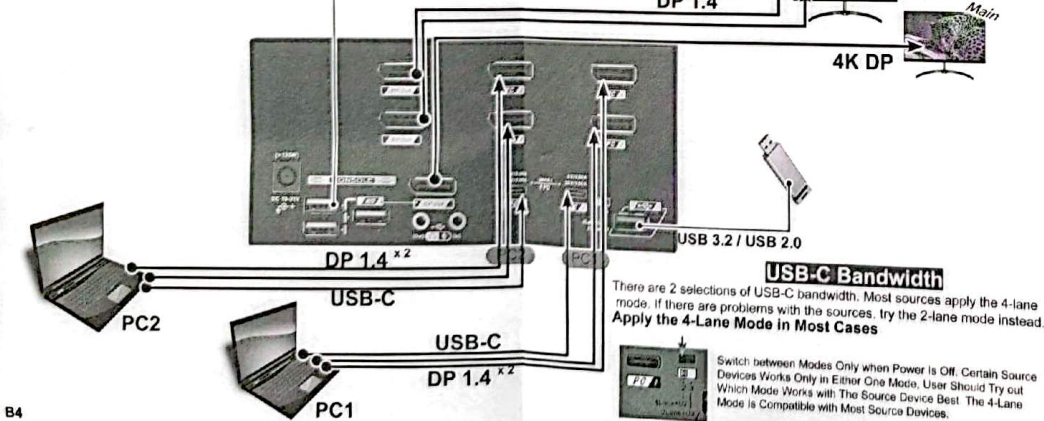
B1

Installation

- Prior to installation, ensure to power off all devices that will be connected to this system.
- Ensure that all devices you will connect are properly grounded.
- Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.

1. Connect DP monitors to the console video outputs; Connect USB KB/Ms to the console USB HID ports.
2. [optional] Connect an active speaker & an active microphone to console SPK & MIC ports.
3. Connect PC ports with USB-C cables & DP cables.
4. Select proper USB-C bandwidth with the slide switch.
5. Apply proper DC power to the KVM switch. (DC 19~21V)

Connection Pattern



B4

Specifications [CAHBP-P3122-13]

Model Number	CAHBP-P3122-13	
MAX. Resolution	4K@60Hz (4:4:4) (Main, USB-C) 8K@60Hz (4:4:4) (AUX, DP 1.4)	
Interfaces	PC Side	Console Side
Video Switching (AUX ¹)	DP 1.4 x 2 (In)	DP 1.4 x 1 (Out)
Video Switching (Main)		4K DP x 1 Rear USB : USB HID x 3 (A) USB 3.2 x 1 (A) Front USB : USB HID x 1 (A) USB 3.2 x 1 (A) SPK x 1 (Out) MIC x 1 (In)
USB 3.2 Switching	USB-C x 2 (DP Alternate Mode)	
USB Audio Switching		
USB-C Bandwidth Allocation [*] (Apply 4-Lane + U2 in Most Cases)	4-Lane + USB 2.0 2-Lane + USB 3.2	
MAX. USB-C PD	PC1 : 20V@3A PC2 : 20V@3A	
Control Methods	Push Button / Hotkey (USB HID)	
HDCP Compliance	HDCP 2.2 & HDCP 1.4	
Hot Plug-and-Play	Yes	
Push Buttons	PC Select x 1	
Slide Switches	USB-C Bandwidth x 1	
LED Indicators	PC-Ready x 2, PC-Select x 2	
Power supply	DC 19~21V	
Operation Environment	0~40°C, Humidity<80% (Storage : -20~60°C)	
H x W x D (mm)	64 x 160 x 100	
Weight (g)	780	
Material	Metal	

* Switch between Modes Only when Power Is Off. Certain Source Devices Works Only in Either One Mode. User Should Try out Which Mode Works with The Source Device Best. The 4-Lane Mode Is Compatible with Most Source Devices.

B2

Specifications [CAHBP-P3112-13]

Model Number	CAHBP-P3112-13	
MAX. Resolution	4K@60Hz (4:4:4) (Main, USB-C)	
Interfaces	PC Side	Console Side
Video Switching (Main)		4K DP x 1 Rear USB : USB HID x 3 (A) USB 3.2 x 1 (A) Front USB : USB HID x 1 (A) USB 3.2 x 1 (A) SPK x 1 (Out) MIC x 1 (In)
USB 3.2 Switching	USB-C x 2 (DP Alternate Mode)	
USB Audio Switching		
USB-C Bandwidth Allocation [*] (Apply 4-Lane + U2 in Most Cases)	4-Lane + USB 2.0 2-Lane + USB 3.2	
MAX. USB-C PD	PC1 : 20V@3A PC2 : 20V@3A	
Control Methods	Push Button / Hotkey (USB HID)	
HDCP Compliance	HDCP 2.2 & HDCP 1.4	
Hot Plug-and-Play	Yes	
Push Buttons	PC Select x 1	
Slide Switches	USB-C Bandwidth x 1	
LED Indicators	PC-Ready x 2, PC-Select x 2	
Power supply	DC 19~21V	
Operation Environment	0~40°C, Humidity<80% (Storage : -20~60°C)	
H x W x D (mm)	44 x 160 x 100 (Weight : 650g)	
Material	Metal	

* Switch between Modes Only when Power Is Off. Certain Source Devices Works Only in Either One Mode. User Should Try out Which Mode Works with The Source Device Best. The 4-Lane Mode Is Compatible with Most Source Devices.

B3

Operation - Hotkey Control
Hotkey Leading Codes (HK_LCode)

- ** There are 3 Hotkey Leading Codes
- ** Apply the Hotkey Leading Code Allows the Unit to Intercept Following Key Inputs and to Interpret to Control Signals
- *** Hotkey Accepted : One / Two High-Pitched Beeps
- *** Hotkey Failed : Two Low-Pitched Beeps

3 Ways HK_LCode :

HK_LCode 1L : (Default)

Double Click

Do Not Use the Numpad for Hotkey !!!

Numbers

L-Shift

L-Ctrl

L-Alt

R-Ctrl

The Hotkey Is based on QWERTY Layout (US), Other Keyboards Should Make Relative Adjustments to Hotkey Commands (Location).

HK_LCode 1R* : "R-Ctrl" + "R-Ctrl"

*How to : "HK_LCode" + "L-Alt" (Hold) + "R-Ctrl" (Hold) + Release "R-Ctrl" then "L-Alt". (To switch back from R-Ctrl Oriented to L-Ctrl Oriented, swap R-Ctrl with L-Ctrl in above operation.)

HK_LCode 1L can be Turned On/Off to facilitate usage with other hotkey related products.

Simply input : "HK_LCode 2 or 3" + "L-Ctrl" or "R-Ctrl" (with respect to HK_LCode 1L situation)

In most cases, HK_LCode 1L is the most convenient to use.

HK_LCode 2 : L-Shift + Num Lock + L-Shift

Hold Double Click Release

HK_LCode 3 : Scroll Lock

Double Click

B5

Limited Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY FOR DIRECT OR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFIT, LOSS OF BUSINESS, OR FINANCIAL LOSS WHICH MAY BE CAUSED BY THE USE OF THE PRODUCT EXCEEDS THE PRICE PAID FOR THE PRODUCT.

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Hotkey List (General)

Key Sequence	Function
PC Selection 1~2	
F1	To start Auto Scan
F2	To start Manual Scan. Allows users to manually switch back and forth between power-on computers. Press the ▲ or ▼ key to select the previous or the next computer.
F3	To Adjust Scan Rate. The KVM Switch generates 1 to 4 beeps indicating duration of scan time for 3, 8, 15 and 30 seconds respectively.
F7	Toggle USB 3.2 Sharing Port Follow Port Selection [Non-Follow / Follow (Default)]
U	Force USB 3.2 Gen 1 Follow to Current Port

Hotkey List (USB Audio)

USB Audio Follow Port Selection	
F5	Toggle USB Audio Follow Port Selection [Non-Follow / Follow (Default)]
A	Force USB Audio Follow to Current Port

USB Audio On/Off	
A + O	Disable Both USB MIC & SPK
A + I	Enable Only USB MIC
A + Z	(USB-C Source should have good signal integrity, certain graphic cards with poor signal integrity might induce noisy audio)
A + S	Enable Only USB SPK

* User need to manually select DisplayPort audio or USB audio output in OS configuration.

B6