

## Versa® 120D

USB-C 40Gbps / Dual 4K @ 60 Hz / 100 W / Dante®



## ClearOne® Contacts

### Headquarters

5225 Wiley Post Way Suite 500  
Salt Lake City, UT 84116

### Sales

Tel: +1.801.975.7200  
[sales@clearone.com](mailto:sales@clearone.com)

### Headquarters

Tel: +1.801.975.7200

### Technical Support

Tel: +1.801.974.3760  
[audiotechsupport@clearone.com](mailto:audiotechsupport@clearone.com)

## Notices

© 2025 ClearOne, Inc. All rights reserved.

Information in this document is subject to change without notice.

Document: DOC-0600-001v1.0, January 2025

## Preface

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product.

This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated by November 22, 2024. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

## FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



## SAFETY PRECAUTIONS

To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to people.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheating.
- Keep the module away from liquids.
- Spillage in the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the cable. It can cause malfunctions.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical waste.

# Contents

|                                |   |
|--------------------------------|---|
| 1. Product Introduction .....  | 4 |
| 1.1 Features .....             | 4 |
| 1.2 Packing List.....          | 4 |
| 1.3 Warranty Information ..... | 4 |
| 2. Specification.....          | 5 |
| 3. Panel Description .....     | 6 |
| 3.1 Transmitter .....          | 6 |
| Front Panel.....               | 6 |
| Rear Panel.....                | 7 |
| 4. System Connection .....     | 8 |
| 5. Panel Drawing.....          | 9 |

# 1. Product Introduction

The Versa 120D is a USB-C to dual HDMI 2.0 converter that support up to single 8K@30Hz (Out 1) or dual 4K@60Hz HDMI outputs. The USB-C port supports USB4, Thunderbolt 3/4 and DP 1.4 Alt mode provides up to 100W PD power charging to connected source (Laptop). Two HDMI outputs support up to 4K@60Hz 4:4:4 each in dual mode.

The converter also supports 2x2 Dante audio transfer. Contains 4x USB-A 5Gbps + 1x USB-C 5Gbps + 1x USB-C 40Gbps device ports. Devices 1 – 5 shared 5V3A power, support power management, Devices 6(40Gbps port) supports 5V3A power.

## 1.1 Features

- Supports up to single 8K30 (7680 x 4320) UHD output or dual 4K60 444 outputs.
- Supports EDID passthrough.
- Supports HDCP 2.3/2.2/1.4 versions.
- Supports up to 40Gbps transmission rate.
- USB-C KVM with PD 100W charging.
- Supports 10/100/1000 Base-T auto negotiation, Ethernet pass-through to USB-C.
- Includes 4xUSB-A, 1xUSB-C, USB 5Gbps standard, Shared 5V3A total , 1x USB-C. USB 40Gbps standard, provide 5V3A, power always on.
- Include Toggle switch for USB devices power management.
- Supports 2x2 channels of bidirectional audio, allowing PCs to playout and capture audio with Dante-enabled devices over a standard IP network;
- Automatically discover and natively configure using Audinate® Dante® Controller software.

## 1.2 Packing List

- 1 x Versa 120D
- 1 x Mounting kit (2x ears + 2x screws)
- 4 x Rubber feet
- 1 x DC24V6.5A power adapter with power cables (US/EU/UK/AU)
- 1 x User Manual

## 1.3 Warranty Information

We provide 2 year limited warranty starting from date of purchase.

 **Note:** Please contact your distributor immediately if any damage or defect in the components is found.

## 2. Specification

| No                  | Function              | Description                         |
|---------------------|-----------------------|-------------------------------------|
| <b>Video Input</b>  |                       |                                     |
| 1                   | Input                 | (1) DP Alt Mode or Thunderbolt 3/4  |
| 2                   | Input Connector       | (1) USB-C                           |
| 3                   | Input Resolution      | Up to 8K30                          |
| <b>Video Output</b> |                       |                                     |
| 4                   | Output                | (2) HDMI                            |
| 5                   | Output Connector      | (2) HDMI 2.0 Female                 |
| 6                   | Output Resolution     | 8K30 (7680 x 4320) UHD output       |
| 7                   | HDMI Standard         | HDMI 2.1                            |
| 8                   | HDCP Version          | HDCP1.4/2.2/2.3 compatible          |
| <b>Audio</b>        |                       |                                     |
| 9                   | Audio Format          | PCM 2.0 audio,                      |
|                     |                       | Dolby Atmos®,                       |
|                     |                       | Dolby® TrueHD,                      |
|                     |                       | Dolby Digital® Plus.                |
| 10                  | Dante Audio           | 2 x 2 channels                      |
| <b>General</b>      |                       |                                     |
| 11                  | USB Data Rates        | 10Gbps for USB-C and USB-A devices  |
| 12                  | Devices Power         | DC 5 V 3 A shared for devices 1-5.  |
|                     |                       | Provide 15 W power for device 6.    |
| 13                  | PD Standard           | PD3.0 100 W charging for USB-C host |
| 14                  | Power Supply          | DC 24 V 6.5 A adapter               |
| 15                  | Power Consumption     | TBC (Max)                           |
| 16                  | Operation Temperature | -10°C ~ +55°C                       |
| 17                  | Storage Temperature   | -25°C ~ +70°C                       |
| 18                  | Storage Humidity      | 10% - 90%                           |
| 19                  | Dimensions (W*H*D)    | 210 mm x 25 mm x 120 mm             |
| 20                  | Net Weight            | 670 g                               |

### 3. Panel Description

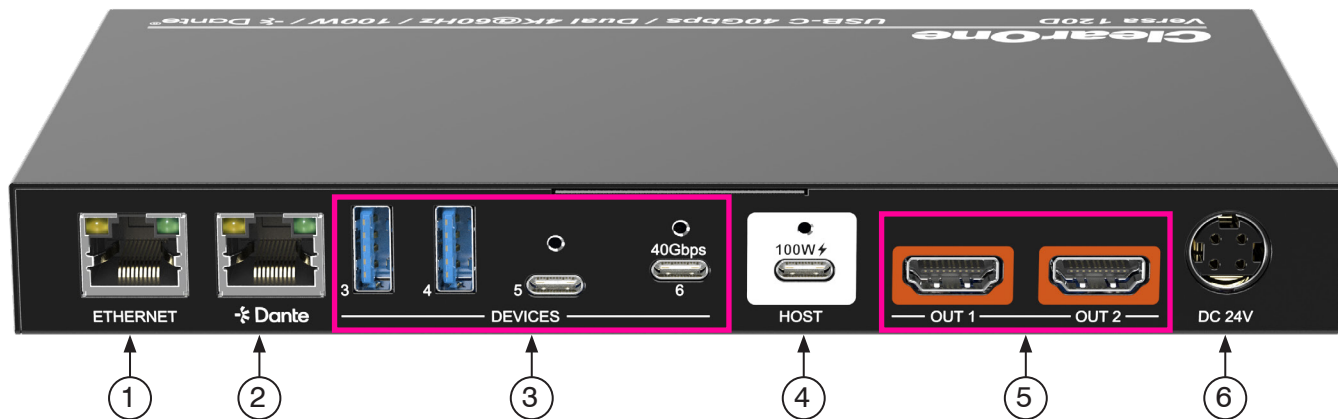
#### 3.1 Transmitter

##### Front Panel



| No | Name          | Description   |
|----|---------------|---|
| 1  | Power LED     | Illuminates green when power is applied.  |
| 2  | Charging LED  | Illuminates blue when USB-C input is charging.  |
| 3  | Toggle Switch | <ul style="list-style-type: none"> <li>Toggle switch for USB-A Devices 1-5 power management.</li> <li>ON: USB devices-power always on.</li> <li>Host: USB devices power follow host.</li> </ul> |
| 4  | Devices       | 2x USB 3.2 Gen 1 Type-A (5Gbps) for KVM and other devices connection.   |

Rear Panel

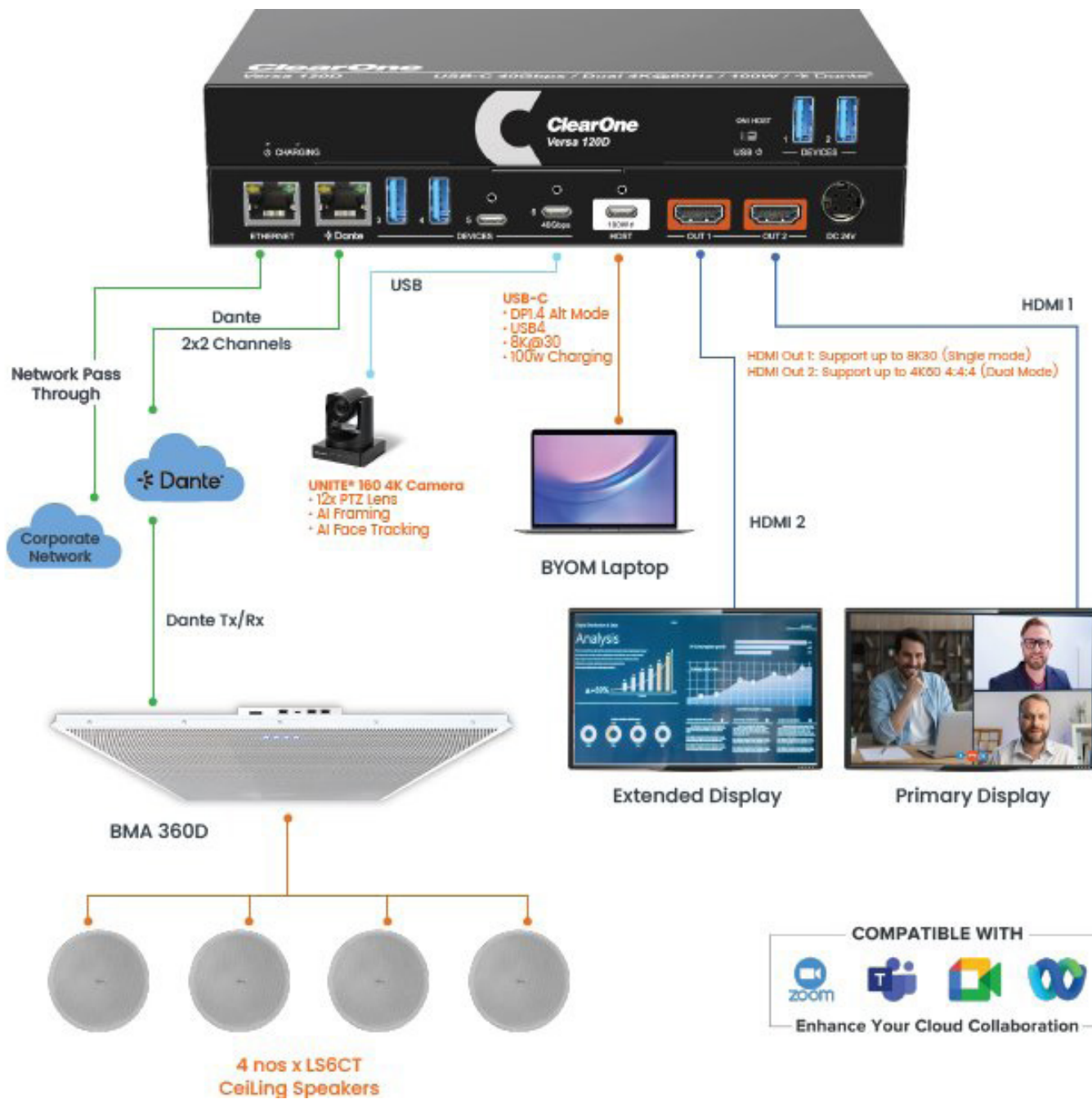


| No | Name     | Description  |
|----|----------|--|
| 1  | Ethernet | <ul style="list-style-type: none"> <li>1x RJ45 port for network passthrough to USB-C IN.</li> <li>10/100/1000 Base-T auto negotiation.</li> </ul>  |
| 2  | Dante    | Supports Dante 2x2 audio transfer, control by Dante SW like Dante controller, Dante Director.  |
| 3  | Devices  | <ul style="list-style-type: none"> <li>Devices 3 &amp; 4: 2 x USB 3.2 Gen 1 Type-A (5Gbps) for KVM and other devices connection.</li> <li>Devices 5: 1 x USB 3.2 Gen 1 Type-C (5Gbps) for KVM and other devices connection.</li> <li>Devices 6: 1x USB 4 Gen3x2 Type-C (40Gbps) interface, supports KVM and other devices connection.</li> </ul> |
| 4  | Host     | <ul style="list-style-type: none"> <li>1x USB-C Host port, supports USB4 Gen3x2 (v1.0).</li> <li>Supports PD3.0 and provides 100W power for laptop.</li> </ul>   |
| 5  | Output   | <ul style="list-style-type: none"> <li>Out1: Support up to 8K30 video out (single mode);</li> <li>Out2: Support up to 4K60 444 video out (Dual mode);</li> </ul>   |
| 6  | DC24V    | 1x Power connector for DC24V6.5A adapter connection.   |



## 4. System Connection

The following diagram illustrates typical input and output connections that can be utilized with the unit:



## 5. Panel Drawing

