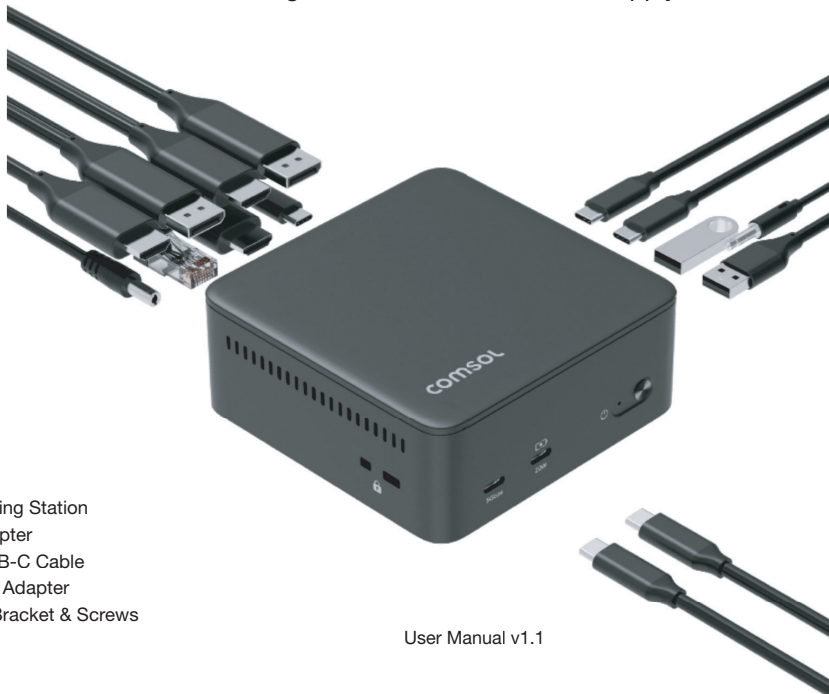# COMSOL

Model: DS34HDVS
Universal USB Triple 4K HDMI & DisplayPort
Docking Station with 135W Power Supply
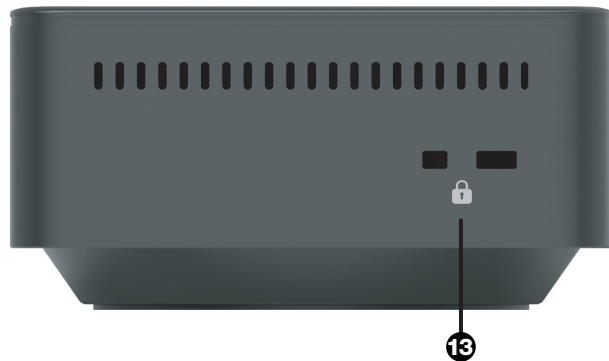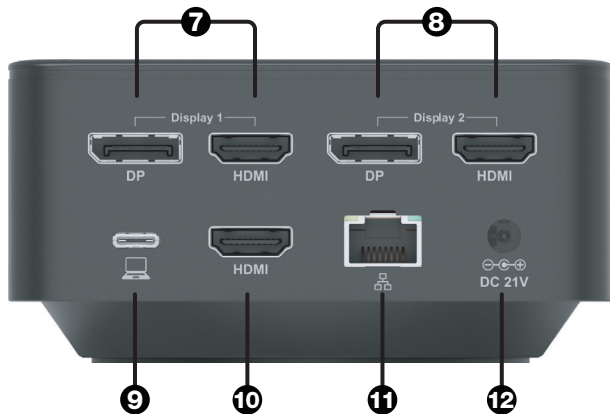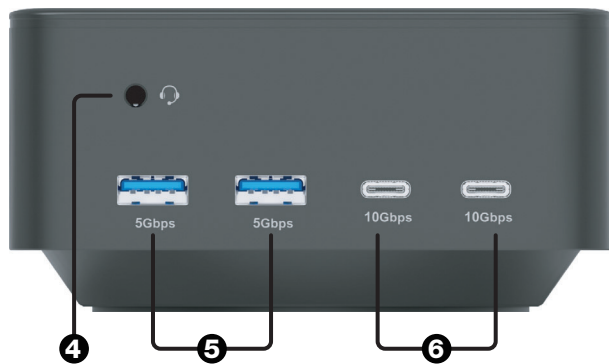

In the Box

- 1 x DS34HDVS Docking Station
- 1 x 135W Power Adapter
- 1 x 1m USB-C to USB-C Cable
- 1 x USB-A to USB-C Adapter
- 1 x VESA Mounting Bracket & Screws
- 1 x User Manual

User Manual v1.1

Mac   Windows   Chrome

1 5Gbps

2 20W

3 (power button)

4 (headphone jack)

5 5Gbps 5Gbps

6 10Gbps 10Gbps

7 Display 1 — DP HDMI

8 Display 2 — DP HDMI

9 (laptop/display port)

10 HDMI

11 (LAN)

12 DC 21V

13 (security lock)
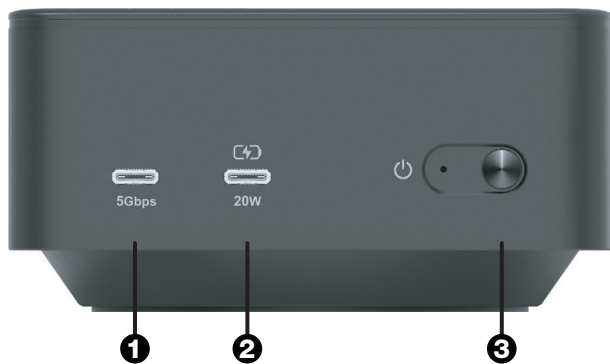
	Port	Description
❶	USB-C 3.2 Data	Connect USB-C devices including flash drives, a web cam or external storage devices to this high speed USB-C 3.2 port at speeds up to 5Gbps
❷	USB-C 20W Charge-Only	Charge a smartphone, tablet or other device with up to 20W of USB-C power
❸	Power Button	Press this button to turn the docking station On or Off
❹	3.5mm Audio Socket	Connect speakers, headphones, or a headset with microphone to this port
❺	2 x USB-A 3.2 Data Ports	Connect USB-A devices including keyboard/mouse, flash drives, a web cam, a printer or external storage devices to these high speed USB-A 3.2 ports at speeds up to 5Gbps
❻	USB-C 3.2 Gen 2 Data & Charge	Connect USB-C devices including flash drives, a web cam or external storage devices to these high speed USB-C 10Gbps ports which also support up to 7.5W USB charging
❼	Display 1	Connect either an HDMI or DisplayPort monitor to one of these ports
❽	Display 2	Connect either an HDMI or DisplayPort monitor to one of these ports
❾	USB-C Host Port	Connect the docking station to your computer using this USB-C port Use the included USB-C to USB-C cable and the included USB-C to USB-A adapter if required
❿	HDMI Port	Connect a HDMI monitor to this port
⓫	RJ45 Gigabit LAN	Connect a wired Gigabit Network with an Ethernet cable. Green LED will illuminate to show a connection has been made with the network, yellow LED illuminates when there is network activity
⓬	DC Power Input	Connect the included 135W power supply to this port
⓭	Security Slots	Protect your investment by securing your dock using a Standard or Nano K-Slot locking device

Operation

Connect the included 135W power supply to the DC port **12** of the docking station and plug the other end into a power outlet.

Using the included USB-C to USB-C cable; plug one end into a USB-C port on your computer and the other into the USB-C Host port on the docking station labelled with the computer icon. **9**

If the host computer is lacking a USB-C port, this universal docking station will also work via a USB-A port through the use of the included USB-C to USB-A adaptor. The USB-A port of the host computer must support USB 3.0.

Note: When connecting via a USB-A adaptor, the docking station will not output video via the DP Alt. Mode HDMI port, or provide charge to the laptop.

Video Output

Display 1 & 2 - DisplayLink - Windows & ChromeOS

For Windows and ChromeOS devices:

Connect a monitor to Display 1 **7** and/or Display 2, **8** only one port per Display group can be used at a time.

If the displays don't work after a minute, you may need to update the DisplayLink Drivers for your computer. Updated DisplayLink drivers can be found on the Comsol Website.

Note: MacBook users see the "DisplayLink Video Output for macOS" section over the page.

Display 3

Connect a third monitor using the HDMI port. **10** If your laptop's USB-C port supports DisplayPort Alt mode often referred to as DP-Alt Mode.
If your laptop supports DP-Alt Mode, the maximum resolution when using three monitors is 3 x 4K Ultra HD 3840 x 2160 @60Hz.

Maximum Resolutions

	Display 1*	Display 2	HDMI 4K Alt Mode△
HDMI + HDMI + HDMI	3840 x 2160 @60Hz	3840 x 2160 @60Hz	3840 x 2160 @60Hz
DisplayPort + DisplayPort + HDMI	3840 x 2160 @60Hz or 5120 x 1440 @60Hz	3840 x 2160 @60Hz or 5120 x 1440 @60Hz	3840 x 2160 @60Hz
DisplayPort + HDMI + HDMI	3840 x 2160 @60Hz or 5120 x 1440 @60Hz	3840 x 2160 @60Hz	3840 x 2160 @60Hz

*Display 1 can support a single 5K monitor at 5120 x 2880 @60Hz. When a 5K monitor is connected to Display 1, Display 2 is disabled.*

△*Host computer must support DisplayPort Alt-Mode. If the host does not support DP Alt-Mode, the dock will only output via Display 1 and 2.*

DisplayLink Video Output for MacOS

This docking station requires MacOS users to install DisplayLink drivers to run external monitors. DisplayLink drivers are available for MacOS X 10.8 onwards. For optimum performance, it is recommended to download and install the latest version of DisplayLink Manager (includes DisplayLink drivers) with support for macOS Catalina 10.15 onwards.

1. Visit www.comsol.com.au/DS34HDVS and look for "Drivers" under the "Downloads" Section.

2. Select macOS from the Latest DisplayLink Drivers list and download the latest version of "DisplayLink Manager"

3. After clicking "Download" and accepting the License, double click the downloaded file and run the DisplayLink Installer Wizard

4. Follow the on screen instructions to complete the installation

5. Make sure your external monitors are connected to the multiport adapter via a HDMI cable

6. From the Notification Center (normally top right on your Mac) start the DisplayLink Manager for the first time by clicking the DisplayLink Manager icon:
- The DisplayLink Manager can also be found in the Applications folder

7. When the DisplayLink manager is run for the first time, a permissions box will display.
- This a necessary function of DisplayLink, however no data is permanently recorded or exported.
- To proceed, click "Open System Preferences"

8. Under Security & Privacy > Privacy > Screen Recording, check the box next to "DisplayLink Manager" to enable Screen recording.
- If the check box is greyed out, click on the lock in the bottom left corner, enter your credentials and try again.

9. When prompted to quit DisplayLink Manager, click on "Quit & Reopen".

10. To enable DisplayLink on startup:
- Open the DisplayLink Manager app.
- Check the "Automatic startup" box.
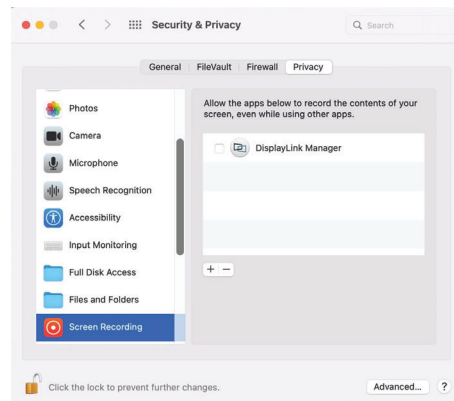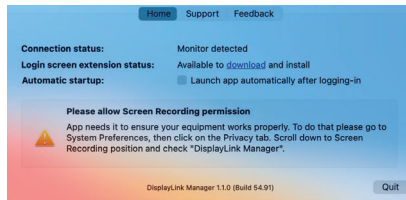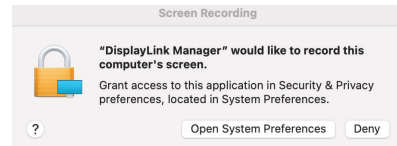
Specifications

• Connect 3 monitors, a keyboard & mouse, USB storage devices, a Gigabit wired network, headphones or speakers all via a single USB-C connection

• DisplayLink technology supports dual monitors in extended desktop mode for macOS, Windows and ChromeOS, including MacBooks with M1/M2/M3 Chips

• Third HDMI port enables triple displays in extended desktop mode$^{\Delta}$

• 135W power supply provides up to 98W of USB-C power to charge your laptop

• 2 x HDMI and DisplayPort shared monitor ports

• 1 x HDMI 4K monitor port

• 1 x USB-C 20W Charge Port

• 2 x USB-C 3.2 Gen 2 data ports (10Gbps)

• 1 x USB-C 3.2 data port (5Gbps)

• 2 x USB-A 3.2 data ports (5Gbps)

• 1 x RJ45 Gigabit Ethernet network port

• 1 x 3.5mm audio port for headphones or speakers

• 1 x USB-C female port to connect to host computer

• 2 x Security Locking Slots

• Dimensions: 107 x 107 x 54mm

• Weight: 426g

Compatibilty

MacOS | Windows | ChromeOS

DS34HDVS Power Supply - Important Safety Instructions

• This Power Supply is designed to only be used with the included Docking Station
• Do not use if damaged or broken.
• Do not use if pins are broken or marked.
• Do not allow to get wet. Switch off and do not use if it has been wet

• Do not use near open fires or heaters.
• Do not cover or use in confined spaces to avoid overheating.
• Designed for indoor/home use.
• Keep out of reach of children.

Please contact Comsol support if you're concerned that the unit may be damaged

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www.comsol.com.au