

# Quickstart Guide

## Social distancing with your ZEISS HFA II-i: Extended cable connection

This Quickstart Guide provides an overview on how to set up and operate the ZEISS HFA II-i™ device using an extended cable connection. This option is intended for the operator and patient to be physically separated while allowing operation at a safe distance. You will need a table, monitor, extended cable, keyboard, and mouse.



### What you'll need for extended connection

- Additional video display
  - Standard Monitor, TV, or Projector capable of handling 1024x768 video resolution, 60Hz refresh rate, with one of the video display interfaces described below.
- Monitor cable: recommend limit length to 5 meters, or less
  - HFA II-i side: VGA.
  - Monitor side: appropriate connection for additional monitor.
- USB or PS/2 keyboard and mouse.
- Extender to achieve social distance length if using wired option.

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### Disclaimers

- The following suggestions are not intended as a comprehensive solution for managing the clinical workflow in ophthalmic offices as related to COVID-19 virus (or similar) management.
- Any cables used for connecting additional video displays and extended peripherals should be routed and safely secured to avoid any potential tripping hazards.
- With the exception of peripherals available from ZEISS with the HFA, specific video display devices and peripherals are not guaranteed to have been tested or verified by ZEISS. Some video displays may require adjustment of the native display graphics configuration.
- It is recommended that the lengths of any extension cables used are limited to a maximum of six meters (19.7 ft) to ensure reliability.
- All periphery devices are not sold by ZEISS and is customer responsibility.



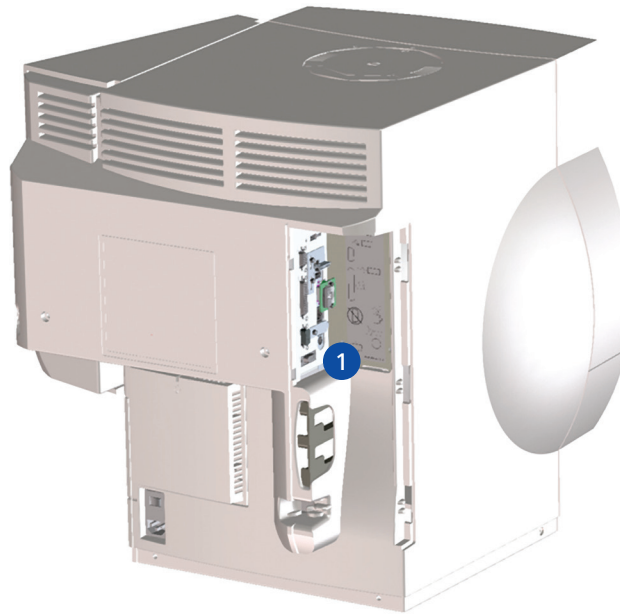
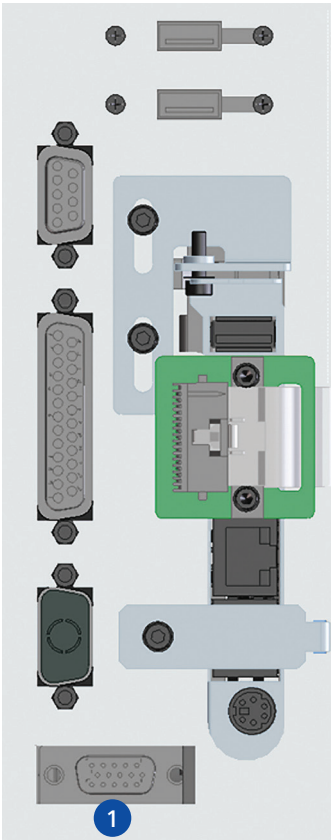
Seeing beyond

## Steps to connect display and peripherals to ZEISS HFA II-i

### Connecting an Additional Monitor and Peripherals to HFA II-i

- Remove the back panel of the HFA II-i and find the video port (see illustration below).
- Connect a second display to the HFA II-i using the available video port(s) before the HFA II-i is powered on.
- Position the second monitor an extended distance away from the HFA II-i.

#### HFA II-i (USB model)



Video Signal: 1024 x 768 60 Hz, (4:3 Aspect Ratio)  
Dual Monitor Mode: Mirror  
External displays can be added to the following port(s):

- 1 VGA

### Video Extension Cable Options for HFA II-i

- **VGA cables** – recommend 5 meters, or less.  
Signal quality could be affected.



## Connecting (or Extending) keyboard and mouse for HFA II-i

- Extend the distance of the keyboard and mouse from the HFA II-i using USB or passive PS/2 extension cables.  
Note: recommended limit length of passive cables is typically 5 meters or less.
- PS/2 connection keyboards are compatible with the HFA II-i instruments with serial numbers less than the cut-in number.
- Wired USB keyboards are compatible with the HFA II-i instruments with serial numbers greater than the cut-in number.
- Use of wireless USB peripherals are NOT suggested due to USB software driver compatibility issues.

### USB serial number cut-in:

- 720i Series: SN 720i-9199 or later
- 740i Series: SN 740i-19844 or later
- 745i Series: SN 745i-7348 or later
- 750i Series: SN 750i-13387 or later