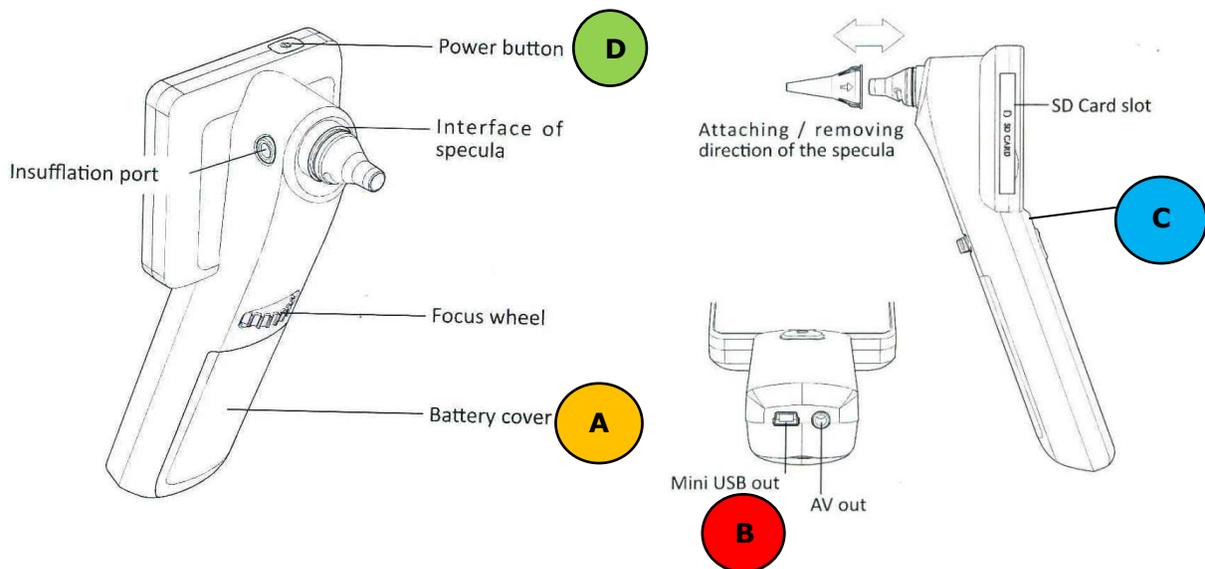# MiiS Horus+ Scope EOC 100 Digital Otoscope

The Horus is a digital hand-held otoscope with a built-in LED screen that may be used to record digital images (jpg) and video (H.264) of the ear canal and tympanic membrane.

Charging Battery

- Rechargeable Li-Ion battery pre-installed in handle and covered by **A** battery cover

- Requires charging prior to use with provided USB cable; can only be charged via AC wall outlet. Plug charger cable into Mini USB out **B** and the other end into wall outlet.

- Full Charge will take approximately 3 hours (manual indicates 4.5 but JedMed confirmed 3) **C**

- Status indicator located immediately below LED screen

    o   Blue LED = normal operation

    o   Orange LED = charging

- Power Indicator located on LED screen via a battery icon with bars.

- Battery on full charge will last about 4 hours

- **Power Indicator Light on VO handle will change from RED to BLUE color when battery needs to be recharged**

Turning Device On/Off

- Press power button to turn device ON. Status indicator should indicate **D** Blue LED

- Press power button to turn device OFF. **D**

Operating Instructions:

1 **Operation mode:** indicates what operational mode the device is ...ting in:

    Photo (save images as jpeg)

    Video (shoot video)

    Display (allows you to toggle through all your saved images and/or videos)

2 **Brightness indicator**: changes brightness of the LED light

    o 1B is minimum LED level, 10B is maximum LED level

    o Adjust brightness by using < or > buttons in bottom left and right hand of screen respectively

3 Available memory on Secure Digital or SD Card

4 Power Indicator: tells you how much charge is left. 4 bars = max, 1 bar = recharge soon

5 MENU: this allows user to access various functions including digital zoom (increasing magnification from 1x, 2x, 3, or 4x), switch modes (photo, video, display)

6 Status Indicator light

7 Capture button (button pressed to take an image, start/stop video, or exit out of the menu)

How to Capture an Image On Horus LED Screen:
- Make sure device is ON
- Attach speculum to otoscope
- Manually adjust focus as needed
- When ready to take image, click the Capture Button

To View Captured Images:
- Click MENU
- Using UP/DOWN button or < > buttons, toggle down to highlight DISPLAY
- Click MENU to select DISPLAY
- Use > button to scroll through saved images

How to View Horus images on Computer Screen:
- Download necessary AMCAP software
- Go to Horus+ menu and turn UVC ON
- Plug USB cord to Horus & other end to computer
- First, download necessary software

How to View Horus image on TV Screen:
- Plug AV cable supplied with Horus directly into AV Video IN port on TV

Specula
- WA Kleenspec (52432U, 52434U)
- Heine (B-00.11.128, B-00.11.127)

Brightness Dial
- Press < located in lower left hand corner of screen to decrease brightness
- Press > located in lower right hand corner of screen to increase brightness

Focus Dial
- Gray wheel located below the specula, half way down handle
- Manual focus

Magnification Percentage / Zoom
- Press MENU on LED screen
- From Set Up Menu, select DIGITAL ZOOM
- Press MENU while in Digital Zoom to change magnification. Each time MENU is clicked, the zoom will continually toggle between 1x, 2x, 3x, 4x.

- Click Capture Button to go back to screen that allows you to perform otoscopy (or video, depending on the mode set)

If you would like to show images on a computer screen: