

# VeinNav<sup>®</sup>

## Vein Illuminator

### NAVI-60/30



|                      |                                                                                                                                                                                                                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>          | Vein Illuminator                                                                                                                                                                                                                                                                                                                          |
| <b>Model</b>         | NAVI-30/NAVI-60                                                                                                                                                                                                                                                                                                                           |
| <b>Dimensions</b>    | 224 (W) x 68 (H) x 64 (D) mm                                                                                                                                                                                                                                                                                                              |
| <b>Weight</b>        | About 0.5kg                                                                                                                                                                                                                                                                                                                               |
| <b>Power Adapter</b> | Input voltage: AC 100-240V 50/60Hz 1.5A<br>Input power: 45 VA<br>Output voltage: DC 12V 3.5A                                                                                                                                                                                                                                              |
| <b>Battery</b>       | Built-in lithium battery: 7.4V, 3000mAh<br>Continuous operation duration of the lithium battery: not shorter than 2.5 hours<br>Time required for fully charging an exhausted lithium battery: not longer than 4 hours<br>Charge mode of the lithium battery: The battery can be charged using a power adapter when AC input is available. |
| <b>Display Mode</b>  | Projection mode                                                                                                                                                                                                                                                                                                                           |

|                                 |                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Color                   | White, Red, Green, Blue, Purple, with Inverse mode                                                                                                                                                                                                                                                                                   |
| Display Window                  | 720*576 pixel                                                                                                                                                                                                                                                                                                                        |
| Light Source Type               | Near-infrared light                                                                                                                                                                                                                                                                                                                  |
| Infrared Wavelength             | 850nm dual light sources                                                                                                                                                                                                                                                                                                             |
| Optimal Focus Position          | 210mm±30mm                                                                                                                                                                                                                                                                                                                           |
| Depth of Field of Imaging       | >30mm                                                                                                                                                                                                                                                                                                                                |
| Infrared Radiation Energy       | ≤0.6mW/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                |
| Brightness level                | 4 levels adjustable                                                                                                                                                                                                                                                                                                                  |
| Operating Conditions            | Temperature: 5°C~40°C<br>Humidity: 20%~90% RH, non-condensing<br>Pressure altitude: 70~106.0kPa                                                                                                                                                                                                                                      |
| Storage and Shipping Conditions | Temperature: -20°C~+55°C<br>Humidity: 10%~95% RH, non-condensing<br>Pressure altitude: 61.7~107.4kPa                                                                                                                                                                                                                                 |
| Classification                  | 1. Class I/Internally powered equipment<br>2. IPX0<br>3. Not sterilized<br>4. Not category AP/APG equipment<br>5. Mode of operation: continuous                                                                                                                                                                                      |
| Operation Screen (NAVI-60 only) | Displaying current battery status, color, brightness level and window size                                                                                                                                                                                                                                                           |
| Main Safety Standards           | IEC 60601-1:2012 Medical Electrical Equipment,<br>Part 1: General Requirements for basic safety and essential performance<br>IEC60601-1-2:2014 Medical Electrical Equipment<br>Part1-2: General requirements for basic safety and essential performance<br>Collateral standard: Electromagnetic compatibility-Requirements and tests |



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EN-Vein NAVI-2P-Datasheet 1.1

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