ICS Impulse®

**ICS Impulse® system**

- **Interface**: USB 2.0 or 3.0 to PC
- **Power supply**: Device is powered through USB: 5 V DC/500 mA

**Performance Characteristics**

- **Inputs**: Monocular (Right eye)
- **Sampling Rate**
  - 250 fps - Head Impulse, VOR, Video Record/Playback
  - 175 fps - Gaze, Skew Deviation, Saccade, Dynamic, Repositioning, Caloric
  - 60 fps - when Torsional or Vision Denied is selected
- **Video Recording**
  - 30, 60 or 120 Hz
- **Eye Tracking**
  - 100 x 100 pixels (Pupil Image): Head Impulse, VOR, Monocular Video Frenzel
  - 160 x 120 pixels (Eye Image): Gaze, Skew Deviation, Saccade, Dynamic, Repositioning, Caloric, Monocular Video Frenzel
  - 320 x 240 pixels (when Torsional is selected)
- **3-Laser Saccade Stimulus**
  - Range: Horizontal ± 30°, Vertical ± 25°

**Laser specifications**

- **Wavelength**: Maximum 660 nm
- **Output power**: Maximum 0.9 mW

**Dimensions**

- **Goggles**
  - **Length**: 7.25 in (18.4 cm)
  - **Width**: 0.3 in (3.3 cm) to 1.75 in (4.4 cm)
  - **Height**: 1.75 in (4.4 cm)
  - **Weight**: 2.1 oz (60 g)

**Calibration**

Goggles have 2 built-in calibration lasers for patient calibration

**Standards**

- **EMC**: IEC 60601-2-2014 and EN 60601-1-2-2015

**System requirements**

- **Operating system**: 64-bit Windows 10 Pro (Standalone, Both, Client, Server), Windows 8 Professional, Windows 7 Professional (Standalone)
- **CPU**: Intel i7 processor (minimum 7th generation)
- **Memory**: 16 GB
- **Disk space**: 500 GB
- **Connectors**: Up to four USB 3.0 connectors
- **Graphics card**: Discrete graphics card with minimum 4 GB memory
- **Monitor**: 1920 x 1080 screen resolution at 100% DPI
  - 1920 x 1080 screen resolution at 125% DPI
- **Components**: Mouse, keyboard
- **Internet access**: An Internet connection on the computer is recommended during installation for installing synchronized room camera.

**Presentation Remote**

- **Recommended**: Logitech Wireless Presenter R400, Kensington Wireless Expert Presenter, or Targus Laser Presentation Remote