


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 173 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) Range: Horizontal $\pm 30^\circ$, Vertical $\pm 25^\circ$	
3-Laser Saccade Stimulus	Range $\pm 7.5^\circ$ (max 15°)	
OTOSuite Vestibular Software	Windows Graphical User Interface; High Performance Analysis Software; Database Storage of Test Data; Sophisticated Patient and Test Data Management; Vision Denied for Testing in Complete Darkness	
Laser specifications		
Wavelength	Maximum 660 nm	
Output power	Maximum 0.9 mW	
Dimensions		
Goggles	Length	7.25 in (18.4 cm)
	Width	0.5 in (1.3 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		
Safety	Complies with UL 60601-1, 1.ed., IEC 60601-1, 2.ed.: + A1 + A2, 3.ed. + A1, CAN/CSA-22.2 No. 60601-1 (2008), IEC 62471, 1.ed., IEC 60825-1, 2.ed.	
EMC	IEC 60601-1-2:2014 and EN 60601-1-2:2015 IEC 60601-1-2:2007 and EN 60601-1-2:2007	
System requirements		
Operating system	64-bit Windows 10 Pro (Standalone, Both, Client, Server), Windows 7 Professional (Standalone)	
CPU	Intel i7 processor (minimum 7 th generation)	
Memory	16 GB	
Disk space	500 GB	
Connectors	Up to four USB 3.0 connectors Optional VGA port to connect an external monitor	
Graphics card	Discrete graphics card with minimum 2 GB memory	
Monitor	1600 x 900 screen resolution at 100% DPI 1920 x 1080 screen resolution at 100% or 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	<i>Logitech Wireless Presenter R400, Kensington Wireless Expert Presenter, or Targus Laser Presentation Remote</i>	

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