

EyeNTNU-30p Technical Specifications

1. Eye Tracking

Eye tracking technique	IR LED
Type of eye tracking	Monocular
Sampling rate	30Hz
Pupil measurement	Supported

2. Head Unit

Material	Plastic, stainless steel
Scene camera, video resolution	640*480/1920*1080 at 30Hz
Scene camera, video format	AVI
Scene camera, field of view	
Scene camera, horizontal and vertical FOV (approx.)	
Weight	
Audio	*
Data Transmit	USB2.0

3. Analysis Tools – EyeNTNUp Analysis Tool

Visualized analysis tool	
Hot Zone Analysis	Video supported
Statistical analysis	
ROI Define Tool	Video supported
Statistical variables of the eye movement	1. Number of fixations before first arrival 2. Duration before first fixation arrival (ms) 3. Percent time fixed related to time in zone (%) 4. Percent time fixated related to total fixation duration (%) 5. Total time in zone (ms) 6. Percentage of total fixations before first arrival (%) 7. Percent time spent in zone (%) 8. Fixation count/Total time in zone (%)

	9. Total fixation duration in zone/Fixation count (ms) 10. Average pupil area in zone 11. Total fixation duration (ms) 12. Percent time non-fixated (%) 13. Average fixation duration (ms) 14. Average pupil area (pixels) 15. Pupil area std dev 16. Fixation count 17. Percentage of total fixations (%) 18. Std dev fixation duration (ms) 19. Average pupil area in fixations 20. Pupil area std dev in fixations 21. Gazepoint count (Sampling count)
--	--

4. Minimum system requirements

All tablets run Windows-based Operating System, eg. Windows 7, 8, 8.1 and 10 (32 bit and 64 bit).