

USER EXPERIENCES FOR VR-GLASSES

SUMMARY

VR device testing in Umeå 30.3.2023

TESTING ENVIRONMENT

(After testing the equipment participants were asked to make a feedback survey with 7 questions, see notes.)

VR devices used:

- Meta Quest 2
- Pico 3 Pro

VR content used:

- Different videos were shown with movement and audio. Users did not have to move around in the test area.

Test groups:

- Client organizations (11 persons)
- Project staff (8)

1. GENERAL FEEDBACK

User experiences were overall positive. Negative experiences concentrated to the VR-environment where the users were in a moving car. The speed of the car was too fast and the surroundings felt unreal.

Considering the average user experience of given devices, users favored Pico 3 Pro over Meta Quest 2. The variation in experience between devices was minor.

Adjusting the glasses were sometimes difficult without help. Loose strappings made glasses to feel over weighted.

VR environments were quite passive and emphasized visuality over audio.

2. USER EXPERIENCE (CLIENT ORGANIZATIONS, 11 PERSONS)

- Palliativ Medicin Umeå preferred Meta Quest 2
- Livsstillmedicin Österåsen preferred Meta Quest 2
- Vaasa Central Hospital preferred Pico 3 Pro
- Eskoo preferred Pico 3 Pro

Focal feedback

Plastic headbands were overall liked the most, but soft headbands were thought better for slender users (best suited for users in Vaasa Central Hospital).

Users with bad eyesight / glasses might need some personal adjustments with VR-glasses' lenses.

3. USER EXPERIENCES (PROJECT STAFF, 8 PERSONS)

Focal feedback

Pico Pro 3 had the best overall feedback for its audiovisuality and wearing it comfortably.

VR environments with movement should be carefully done, as the moving car video did not suite for most of the users.

The main content of VR environments should be concentrated on the screen so that we keep in mind how much the user can use their vision.

NOTES

Survey questions:

1. How did the VR-glasses size fit to your head?
2. Did the glasses feel comfortable?
3. How was the weight of the glasses?
4. How was the video quality?
5. How was the audio quality?
6. Could you recommend this model to your clients?
7. Could you recommend this model to your staff?