

Technical Specification for AR+VR Headset

S.No	Specifications	Complied/ Not complied	Reference page No
1.	<u>General Specs:</u> a. VR headset that can also function as AR headset b. Open platform such that raw data from the sensors is available		
2	<u>Display:</u> a. Optics 4-fold catadioptric free form prism b. Resolution - Dual 1600x1600LCD@90Hz c. FoV/PPD - 90°(circular)/18(with superresolution)		
3	<u>Sensors:</u> a. Positional tracking - 2B&W cameras b. Hand tracking – 2 IRcameras c. RGB Cameras – 2 visible light cameras d. IMU - Accelerometer,gyroscope		
4	<u>Audio:</u> a. Speakers - 2stereospeakers b. Microphone array - 2channels c. Audio connector - 3.5mmTRRSJack		
5	<u>Tracking:</u> a. 6DoFtracking – SLAM with world anchors b. Handtracking – Powered by Ultraleap		
6	<u>Processing System:</u> a. SoC - Qualcomm®Snapdragon™XR2Gen1 b. Memory – 8GB LPDDR5 c. Storage – 128GB,extensible with microSDcard d. Software Platform - Android12,Unity3D,OpenXR		
7	<u>Connectivity:</u> a. Wi-Fi - Wi-Fi6(802.11ax) b. Bluetooth - 5.0 c. USB - USBType-C		
8	<u>Power:</u> a. Battery Life – Upto 3 hours of active use b. Cooling - Active		
	Number of Units Required: 2		