

# SlimEdge XR Starter Kit-VR90

## Package



SlimEdge VR



SlimEdge PC



SlimEdge SDK



SlimEdge TC

## Optical Spec

| Item               | Spec        | Remark                |
|--------------------|-------------|-----------------------|
| Lens               | HN-VRUT-F90 | Folded lens, Short FL |
| Display Panel      | 1600X1600   | 2.1" Fast LCD, BOE    |
| Frame Rate         | 70/90fps    |                       |
| FOV                | 95°         | Diagonal              |
| IPD                | 63mm        | Fixed IPD             |
| Distortion         | 1.8%        | Pincushion Distortion |
| MTF                | 2.0         | 20lp/mm, center       |
| Eye Relief         | 10mm        |                       |
| Eye Box            | 8mm         |                       |
| Luminance          | 80 nit      | Into the Eye          |
| Diopter Adjustment | 0-800       | Manual adjust         |

## System Spec

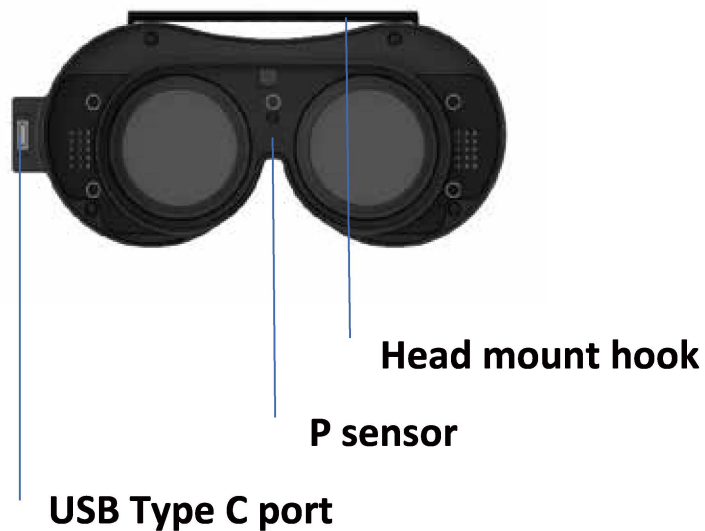
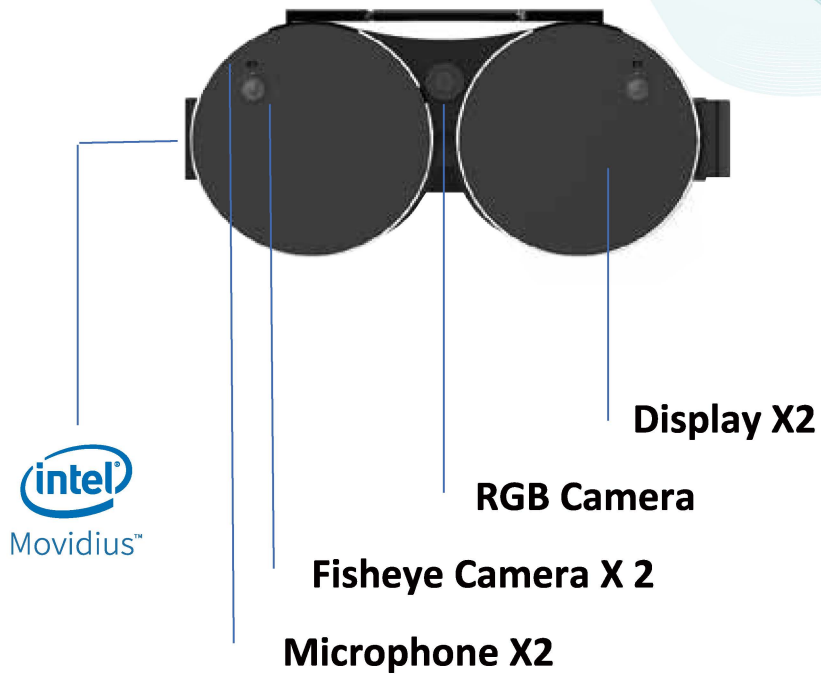
| Item                | Spec                    | Remark                        |
|---------------------|-------------------------|-------------------------------|
| Processor           | Intel Movidius VPU      |                               |
| Cameras             |                         |                               |
| -Stereo FishEye X 2 | VGA, HFOV130, 60fps     | Mono, Global shutter          |
| -RGB                | 13M, FOV70, 30fps       | H.265, JPEG supported         |
| IMU                 | 6 Axis                  | 1000Hz                        |
| SLAM engine   6DOF  | 500-1000Hz, mm accuracy | On board processing           |
| Hand Gesture        | 5 static, 5 dynamic     | Work with RGB camera          |
| Power consumption   | <4.5W                   | Depends on display brightness |
| Interface           | USB Type C              | DP for video output           |
| Weight   Size       | TBD   165x77x79 mm      | LxWxH(mm)                     |
| Computing Pack   OS | Snapdragon 835   845+5G | 6000mAh Battery   Nibiru      |

## Benefit

- Support Windows, Android, Linux, Unity
- Dynamic power control for mobility
- 5G ready computing pack

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