Microsoft HoloLens2

- Display
  - Optics: See-through holographic lenses (waveguides) Resolution: 2k 3:2 light engines
  - Holographic density: >2.5k radiants (light points per radian) Eye-based rendering: Display optimization
  - for 3D eye position
- Sensors
  - Head tracking: 4 visible light cameras Eye tracking: 2 IR cameras
  - Depth: 1-MP Time-of-Flight (ToF) depth sensor IMU: Accelerometer, gyroscope,
  - magnetometer Camera: 8-MP stills, 1080p30 video
- Audio and speech
  - Microphone array: 5 channels Speakers: Built-in spatial sound
- Human understanding
  - Hand tracking: Two-handed fully articulated model, direct manipulation Eye tracking: Real-time tracking
  - Voice: Command and control on-device; natural language with internet connectivity Windows Hello: Enterprise-grade security
  - with iris recognition
- Environment understanding
  - 6DoF tracking: World-scale positional tracking Spatial Mapping: Real-time environment mesh
  - Mixed Reality Capture: Mixed hologram and physical environment photos and videos
- Compute and connectivity
  - SoC: Qualcomm Snapdragon 850 Compute Platform
  - HPU: Second-generation custom-built holographic processing unit Memory: 4 GB LPDDR4x system DRAM
  - Storage: 64 GB UFS 2.1
  - Wi-Fi: Wi-Fi 5 (802.11ac 2x2)
  - Bluetooth: 5 USB: USB Type-C
- Fit
  - Single size
  - Fits over glasses Weight
  - 566 g
- Software
  - Windows Holographic Operating System Microsoft Edge
  - Dynamics 365 Remote Assist Dynamics 365 Guides
  - 3D Viewer Power
  - Battery life: 2–3 hours of active use Charging: USB-PD for fast charging Cooling:
  - Passive (no fans)