

HoloLens 2 tech specs

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 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

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

WiFi

802.11ac 2x2

Bluetooth

5.0

USB

USB Type-C

Fit

Single size

Fits over glasses

Weight

566g
