## 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