

# Microsoft HoloLens 2

Fact Sheet  
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HoloLens 2 delivers the most comfortable and immersive mixed reality experience available, with industry-leading solutions that deliver value in minutes—all enhanced by the reliability, security, and scalability of cloud and AI services from Microsoft. Mixed reality on HoloLens 2 combines an untethered device with apps and solutions that help people across your business learn, communicate, and collaborate more effectively. It's the culmination of breakthroughs in hardware design, artificial intelligence (AI), and mixed reality development from Microsoft, designed to help you lead your industry into the future—starting today.

## Top Features and Benefits

**Product Pillars:** HoloLens 2 is...

**Innovative.** Intuitive and intelligent, contains an onboard holographic computer that is cloud-enabled for easy collaboration

- **Stay present.** Sydney lets you interact with holograms in a heads up, hands free manner while still seeing the real world so you don't lose sight of what's most important – the people and things around you.
- **Solve problems in real time with *Dynamics 365 Remote Assist*.** Video conference with a colleague who can provide on-site feedback with real-time annotations and directional cues. Great for large scale support organizations.
- **Increase knowledge retention with experiential Training and Task Guidance with *Dynamics 365 Guides*.** Lower on-the-job training costs while increasing knowledge retention and comprehension by creating engaging experiential learning modules. Great for staff training or on-the-ground support.
- **Increase confidence in decision making with *Dynamics 365 Layout*.** Use holograms to plan a physical space. Share your vision with stakeholders and easily edit layouts in real-world scale, so you can make better decisions before you build. Great for retail planners or factory managers.
- **Pick the solution that's right for you.** Ready-made solutions from top ISVs across Manufacturing, Architecture & Construction, Engineering, Healthcare, and Education verticals.

**Business Ready.** Helps you safely interact with professional 3D content at scale and in-context to start gathering new insights right away

- **Immerse yourself.** See multiple holograms at once in your real-world environment through the wide field of view see-through display. Industry leading resolution minimizes eye fatigue, so you can read text and see intricate details on 3D assets.
- **Intuitive to use.** Eliminate the learning curve. Reach out and move holograms with your hands as though they were real objects. Smart microphones and natural language speech processing ensure you're understood in nearly any environment.
- **Intelligence built in.** Sydney runs powerful on-device AI to understand people, environments, and objects. Derive new, powerful insights such as predictive equipment maintenance models and high-quality streamed 3D assets with Azure.
- **Ergonomic design.** Wear Sydney with ease with a fit system designed for multi-hour use. Glasses-friendly. Flip up the visor so you can switch tasks easily.
- **Collaborate with ease.** Sydney makes it easy and secure to share holograms among HoloLens users or iPhones, Androids and tablets. Stream your Sydney experience to a wireless display in seconds.

**Trusted.** From Microsoft, optimized to integrate securely with a variety of environments and IT management tools

- **Secure – Advanced security management and threat protection.** Log in quickly and securely, with Windows Hello, and rest assured that built-in data encryption protects your organization's data in today's diverse and complex mobile environment. Sydney integrates with Azure Active Directory to enable quick access and management of profiles and settings.
- **Manageable – Integrates with IT infrastructure, enabling smooth management.** Integrates with most Unified Endpoint Management solutions (also known as MDM) like InTune. IT admins can deploy and manage Sydney just like other mobile devices.
- **Certified – Meets common commercial compliance standards.** Sydney has been tested and found to conform to the basic impact protection and hazardous location standards.

## Technical Specifications

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 & Audio	Depth	Azure Kinect sensor
	IMU	Accelerometer, Gyroscope, Magnetometer
	Camera	8MP stills, 1080p30 video
	Microphone Array	5 channels
	Speakers	Built-in, Spatial Audio

Human Understanding	Hand Tracking Eye Tracking Voice	Two-handed fully articulated model, direct manipulation Real-time tracking Command and control on-device, Natural Language with internet connectivity
Environmental Understanding	6DoF Tracking Spatial Mapping Mixed Reality Capture	World-scale positional tracking Real-time environment mesh Mixed hologram and physical environment photos and videos
Compute & Connectivity	SoC HPU WiFi Bluetooth USB	Qualcomm Snapdragon 850 Compute Platform 2nd Generation Custom-built Holographic Processing Unit 802.11ac 2x2 5.0 USB Type-C
Power	Battery Life Charging Thermals	2-3 hours of active use USB Power Delivery – Fast Charging Passively Cooled
Fit	Single size	Fits over glasses, size using adjustment dial
Software	Windows Holographic OS Edge Remote Assist Layout Guides 3D Viewer OneDrive for Business	

## Contact Information

### For more information, press only:

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### For more product information and images:

Visit the [Microsoft at MWC19 website](#).

### For more information about HoloLens 2:

Visit HoloLens 2 at <http://www.hololens.com>