ARGO™

DIGILENS

FAQs

What type of device is ARGO exactly?

ARGO is a new smartglasses product made by DigiLens that fits into the Augmented Reality (AR) category of devices.

What is Augmented Reality (AR) and how does it relate to other terms like Extended Reality (XR) and Virtual Reality (VR)?

Extended Reality (XR) is an umbrella term that describes two primary types of display technology: AR and VR. AR creates an overlay or layered view on top of the real world you would see through a normal pair of glasses. VR, on the other hand, creates a virtual world like the holodeck on Star Trek.

What are the origins of the name ARGO?

In Greek mythology, Argus was the "all-seeing," son of Arestor, with a hundred eyes all over his body. Argus had the ability to survive without sleep, and for that reason became known for his vigilance and loyalty. As a reward for his service, the goddess Hera placed the hundred eyes of Argus on the tail of her sacred bird, the peacock. Argo was also the name given to the ship built by Argos for Jason to set sail across the Mediterranean to reach Colchis, a foreign land at the end of the earth to find the Golden Fleece, a symbol of authority and kingship with the power to heal and cure. According to legend, the Argo was the first ship to sail the seas and was favored by the gods, including Hera (symbolizing family) and Athena (symbolizing wisdom, knowledge, and battle). Those aboard the Argo were referred to as Argonauts, and this will be the name applied to the early adopters of our smartglasses technology. In the 14th century, Arg was used to describe a mythical "time traveler." Through ARGO, DigiLens is transporting us to the future of wearable computing, today.

Is ARGO part of the "metaverse" or something different?

What's exciting – and sometimes confusing – about these new categories of display technologies is that the terms are evolving and changing with each new device and idea. The metaverse sometimes refers to a primarily virtual world where avatars may interact around a virtual conference table. But the metaverse also refers to the broad category of XR. ARGO may serve as a gateway to the metaverse but we also describe ARGO as being part of the "Digiverse" – an AR ecosystem we're building with our partners.

Is ARGO a “see-through” or “passthrough” technology?

ARGO is a see-through technology and is truly paving the way for where augmented reality is heading. The key distinction is that see-through technology is truly transparent. Passthrough devices, by contrast, rely on projection; they project the external or “real” world on some form of head-worn technology. See-through technology is essential for a device like ARGO because of safety concerns in enterprise or industrial-lite settings. For instance, if the power fails on a passthrough device while performing surgery or operating a forklift you may not be able to see the work in front of you. With a see-through device, you only lose the overlay information and can still see the real world without any blackout.

How does ARGO compare to other AR devices like HoloLens 2?

We believe ARGO is a significant step up in this product space. ARGO is thin, bright, transparent, and socially acceptable. We’re confident you won’t feel weird or look like an extra in a sci-fi film while wearing ARGO.

This chart provides a helpful comparison between ARGO and HoloLens 2.

Feature Set	ARGO™	Microsoft HL2
Form Factor	Glasses	Head Mounted (visor)
Industrial Design	Rugged Enterprise/Industrial Glasses	Head/Visor Design
Compute Platform	Snapdragon 865 (XR-2)	Snapdragon 850
RAM	8-GB LPDDR5	4-GB LPDDR4
Storage	128GB UFS	64 GB UFS
WiFi/BT	WiFi 6E	802.11AC/BT5.X
Cellular	4G Smart Head-strap*	None
Tracking	6DoF (Camera, IMU)	6DoF (Camera, ToF, IMU)
Cameras	3 Visible Cameras	4 Visible Cameras
Center Camera	48MP AF OIS / EIS w/ Pixel Binning	8MP fixed focus
Audio	Spatial Audio w/ 5 mic	Spatial Audio w/ 5 mic
Displays Format	Binocular – Holographic WG	Binocular – Surface Relief WG
Light Engine	Folded LCOS/LED	LBS
FOV	30°	50°
Uniformity & Color Accuracy	Good	Poor
Max Brightness	2,500nits	1,000nits
See-Through	>85%	~70% (protective, WG, protective, front)
Compute Architecture	Stand Alone – Full Mobile Compute	Stand Alone – Full Mobile Compute
Weight	<185grams	566 grams
Target Market	Enterprise/Lite Industrial	Enterprise/Developer

All product specifications are subject to change to improve reliability, function, or design.

What are the practical applications and uses for ARGO?

Our goal is for ARGO to be utilized across 16 industries by 2027 including Construction, Consumer & Consumer Packaged Goods, Education, Entertainment, Finance, Food & Beverage, Healthcare, Industrial, Law Enforcement & First Responders, Logistics, Luxury, Manufacturing, Military & Defense, Retail, Telecommunications, Transportation & Automotive.

Our product page includes an extensive list of use cases at digilens.com/ARGO

What is the market demand for ARGO?

The global head-mounted display (HMD) market is forecast to be worth $29 billion by 2025, according to the Cisco VNI Report. Transportation and logistics will likely comprise 40% of that market followed by manufacturing at 14%, retail at 11%, architecture at 8%, energy at 8%, healthcare at 4%, government at 4%, public safety at 3% and other sectors at 8%. ARGO is best-positioned to meet market demand in each of those sectors.

Who are DigiLens' key partners?

DigiLens partners include an impressive list of companies such as Corning Incorporated, Samsung Electronics, Optimas Capital Management, Diamond Edge Ventures (the strategic investment arm of Mitsubishi Chemical Holdings Corporation), Alsop Louie Partners, 37 Interactive Entertainment, UDC Ventures (the corporate venture arm of Universal Display Corporation), and Dolby Family Ventures. This diverse ecosystem of companies brings important and unique strengths and areas of expertise that will enable ARGO to reach the scale today's market requires.

What is DigiLens' valuation?

After its most recent Series D funding round that included more than $50 million in new investments, DigiLens is now valued at over $530 million.