

Focused on innovation

How wearable technology is
revolutionizing health and vision care

INTRODUCTION

From smartwatches to smart glasses

Wearable technology has gone from a sci-fi fantasy to an integral part of daily life. These always-evolving devices give wearers new ways to monitor their health, boost their workouts and explore our world.

Wearables are on the rise

Over the last few years, wearables have boomed in popularity with the market estimated to grow¹



\$99.4
BILLION
over the next
four years

¹"Wearable Technology Market to Grow by USD 99.4 Billion from 2025-2029"; Yahoo Finance; finance.yahoo.com; February 11, 2025.





A NEW WAY TO SEE THE WORLD

Smart glasses
are changing the
way we see and
interact with our
environment

An evolving range of features

Some frames act like portable screens that only the wearer can see. Others have hands-free video and audio capabilities for capturing moments from the wearer's perspective.

The most advanced are artificial intelligence (AI) and augmented reality (AR) smart glasses. AI glasses combine audio, camera and screen components to seamlessly perform everyday tasks.² AR glasses have the ability to project digital information directly into the wearers field of vision. From field work and manufacturing, to logistics and healthcare, **AR glasses are being used across industries for real-time learning and hands-free workflows.**³

Transforming transactions

Wearables such as smartwatches are encouraging a shift to a cashless society. Rising in popularity during the COVID-19 pandemic, contactless payments bring new speed, convenience and health safety to everyday transactions.⁴



Elevating exercise

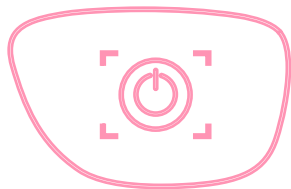
Currently, wearables are most popular with fitness consumers, especially swimmers, cyclists and runners. With fitness trackers and smartwatches, they can track their workouts and real-time biometrics like heart rate, oxygen levels and sleep quality.



²The Best Smart Glasses to Augment Your Reality"; Wired; wired.com; January 29, 2025. ³AR Smart Glasses Case Studies: How AR enhances Field Work; XR Today; xrtoday.com; February 5, 2025. ⁴How Digital Payment Innovations Have Shaped the Modern World"; Tech Funnel; techfunnel.com; July 2, 2024.

“Hey Meta, tell me more”

Created in collaboration between
EssilorLuxottica and Meta, the
Ray-Ban Meta and Oakley Meta AI
glasses let you use your voice to
experience vision in a whole new way⁵



**Capture things you
want to remember**

**Learn about the things
you see around you**

Ask to translate

Send voice messages

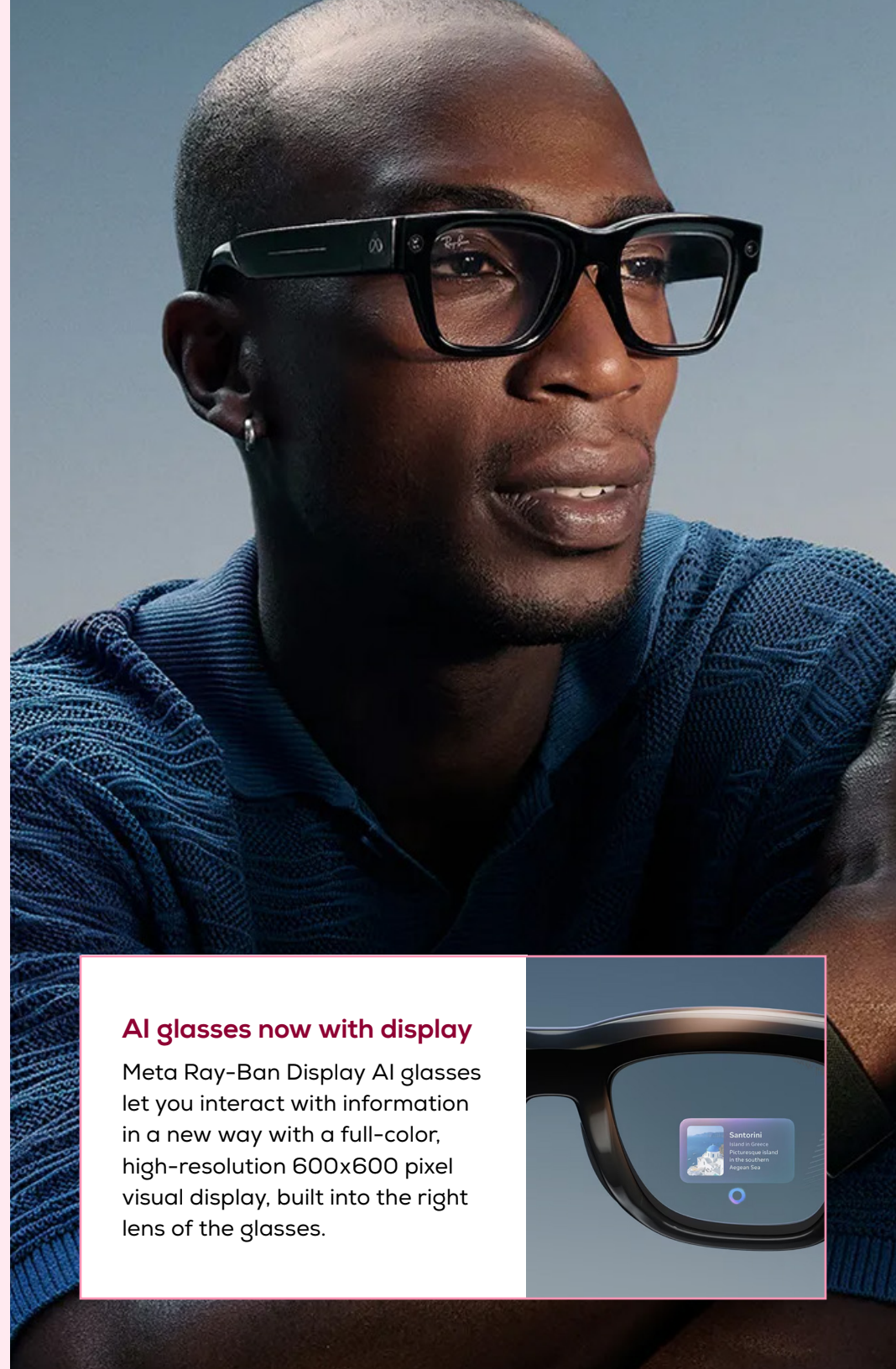
Listen to your favorite music

Ray-Ban Meta and Oakley Meta AI glasses are
available online and in-store at participating
providers.⁵ The frame and prescription lenses
may be covered by your vision benefits.⁶



⁵EyeMed, Oakley, Ray-Ban, LensCrafters and Target Optical are owned by the same ultimate parent company, EssilorLuxottica. ⁶Covered up to the funded/insured frame allowance and any prescription lens copays would apply.

Fully insured clients are underwritten by: Fidelity Security Life Insurance Company®, Kansas City, MO 64111 and Fidelity Security Life Insurance Company® of New York.



AI glasses now with display

Meta Ray-Ban Display AI glasses
let you interact with information
in a new way with a full-color,
high-resolution 600x600 pixel
visual display, built into the right
lens of the glasses.





WEARABLE TECHNOLOGY

The latest and what's next

Driven by advancements in new applications, AI integration and health monitoring, wearable technology is evolving rapidly

Some industry experts expect that wearables will soon be integrated into our clothing. By monitoring our bodies through sweat analysis, these smart garments will be able to capture more advanced bio-data on our health and lifestyles.⁷



As technology improves, smart glasses will continue to be more lightweight, stylish and user-friendly⁸

Now what we see is what we hear

Nuance Audio⁹ frames bring smart wearable technology to eyewear by seamlessly integrating open-ear audio into stylish frames. Unlike traditional hearing aids, they offer an all-in-one solution that allows users with mild to moderate hearing loss to see and hear confidently.¹⁰ Nuance Audio may be covered by EyeMed vision benefits.¹¹



Continued AI integration

Artificial intelligence (AI) will continue to enhance the potential and possibilities of wearables for users. Wearables can collect real-time data and with the application of AI, the user can receive insights from that data. AI technology can then anticipate user needs and deliver interventions to improve their health based upon their vitals, medical conditions and lifestyle.¹²

Smart frames that already incorporate AI will take their capabilities even further. Newer features will make built-in AI assistants more responsive, conversational and aware of their surroundings. These developments will increase the appeal of smart eyewear to a wider range of audiences.¹³

⁷"Wearable Technology: Trends, Innovations, and Future Directions"; ACS Publications; axial.acs.org; July 9, 2024.

⁸"Smart glasses' appeal comes into focus at CES 2025; Computerworld; computerworld.com; January 14, 2025.

⁹EyeMed and Nuance Audio are both owned by the same ultimate parent company, EssilorLuxottica. ¹⁰"Nuance Audio Glasses Now Available in the United States"; The Hearing Review; hearingreview.com; April 8, 2025.

¹¹Covered up to the funded/insured frame allowance and any prescription lens copays would apply. ¹²"The Wearable Revolution: Transforming Health Care with AI-Driven Insights"; American Enterprise Institute; aei.org; January 15, 2025. ¹³"What's next for smart glasses"; MIT Technology Review; technologyreview.com; February 5, 2025.

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Tracking more health data

Smart devices will continue to transform the healthcare landscape through mHealth. Short for “mobile health,” mHealth leverages the power of wearables to provide better care and newer generations of wearables are tracking a wider range of health metrics like:¹⁴

- blood pressure
- blood oxygen levels
- glucose levels
- sleep quality



This health data technology gives users and their healthcare providers more personalized health and wellness indicators to improve outcomes.

Vision technology will see significant monitoring enhancements as well. Leading tech and research companies are already developing lenses that can monitor glucose levels, track eye pressure and even correct vision in real time. Digital wellness apps will be able to provide real-time eye health tracking, reducing strain and digital fatigue. As this technology continues to progress, Eye care providers can integrate this technology into their services as well as educate patients on vision innovations that fit their unique needs.¹⁵

Leading the shift

As wearable technology evolves and grows, EyeMed will continue to educate members on vision solutions, partner with innovators and enhance accessibility.



Prioritizing education

EyeMed makes it a priority to educate members on the importance of routine eye exams for overall health. As this new technology continues to evolve, we will also educate members on the benefits of smart glasses that combine vision correction, hearing enhancement AR, AI and health monitoring features that address evolving member needs.¹⁶



¹⁴“Wearable Technology: Trends, Innovations, and Future Directions”; ACS Publications; acs.org; July 9, 2024.

¹⁵“The Future of Eye Health and Optical Tech”; Vision Plus Mag; visionplusmag.com; April 9, 2025.

¹⁶“Expert Insight as Eyewear Gets Smart”; EyeMed; eyemed.com; June 14, 2022.



CONTINUED INNOVATION

Bringing vision technology to life

Partnering with innovators like Meta, EssilorLuxottica and other wearable tech developers allows EyeMed to deliver cutting-edge solutions to members, such as the Nuance Audio Glasses, Ray-Ban Meta and Oakley Meta AI glasses

Committed to accessibility

EyeMed will continue to incorporate smart eyewear into vision benefits plans, making them more accessible and affordable for its members.

Revolutionizing vision

Wearable technology has the potential to positively impact the entire vision care ecosystem.¹⁷

For consumers

More advanced and innovative devices

For eye care professionals

More health data and analysis for personalized care

For vision plans

More accessibility and affordability



¹⁷"Wearable Tech in Eyecare: Revolutionizing Vision and Health Monitoring"; Arizton Advisory & Intelligence; June 12, 2023.



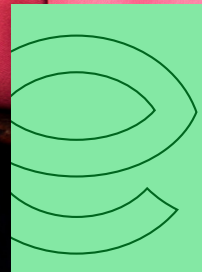
CONCLUSION

Vision innovation meets wellness- focused care

It's clear that wearable technology
is redefining the way we track health,
connect with others and see our world

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and Fidelity Security Life Insurance Company® of New York.

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To learn more about EyeMed's
vision care benefits and focus on
innovation, visit eyemed.com