EPSON®
EXCEED YOUR VISION

DEVELOPER'S GUIDE TO Moverio® Smart Eyewear

Epson® Moverio

The breakthrough smart eyewear from the world leader in projection technology

Epson's Moverio BT-200 and Pro BT-2000 smart eyewear offer you an exciting new platform for creating cutting-edge 2D and 3D applications that unleash the full power of Augmented Reality.

> Featuring optional lens shade from Rochester Optical

Moverio lets you easily create amazing Augmented Reality applications that seamlessly merge the real and the digital worlds.

What's unique about Moverio

Moverio smart eyewear features innovative, industry-leading technologies that make it the ideal platform for developing Augmented Reality, interactive games and industrial applications.

TRANSPARENT

Transparent, see-through design allows you to build apps that overlay digital information and images onto the real world.

3D

Binocular front-and-center displays enable true 3D app development.

BUILT-IN SENSORS

Built-in sensors let you create an immersive user experience with advanced in-app functionality and innovative motion-based UI controls.

AR MADE EASY

Bringing your ideas to life is a breeze with Moverio. It uses the Android™ OS, so developing Augmented Reality applications is as simple as building a mobile app.

ANDROID

Why partner with Epson

Technology leader
In addition to being a world leader in projection technology, we're experts at high-precision manufacturing, and our smart eyewear has been commercially available, globally, since 2011.

We're here to stay
We've invested millions of dollars and thousands of hours of research and development in Moverio. And we're only just beginning.

Dedicated to our developers
We give you everything you need to make the most of the Moverio platform — from tools, SDKs and support to unique partnership opportunities that offer a wide variety of benefits.

Year	Event
1998	One of many Moverio patents issued
1998 - 2010	
2011	Moverio BT-100 is introduced
2012 2013	
2014	Moverio BT-200 — 60% lighter than its predecessor
2015	Moverio Pro BT-2000 is released — optimized for enterprise usage
2016	Stay tuned…

Learn more about Moverio

EPSON
Go to
Epson.com/Moverio

You Tube
View videos at
youtube.com/Moverio

Moverio-optimized AR platforms

A few current partners and developers

Vuforia

The Vuforia SDK for digital eyewear simplifies the development of 3D Augmented Reality applications. It gives you the power to create unique user experiences that include both Virtual Reality and Augmented Reality and build enterprise apps that allow users to work hands-free.

vuforia
by Qualcomm

Wikitude

The Wikitude SDK makes developing stunning apps a snap. It lets you directly overlay Augmented Reality content onto the user's field of vision to create a truly immersive experience. It does all the heavy lifting for you, so you can focus on building incredible content.

wikitude

360WORLD
Gesture-based interfaces for smart glasses

Aero Glass
Visualization solutions for pilots

APX LABS
Advanced platform for enterprise smart glasses

AUGMATE
Customizable smart glass applications for deskless workers

inSight AUGMENTED MEDICINE
Augmented Reality medical imaging applications

augumenta SIMPLIFY LIFE
Advanced gesture-recognition platform

CN2
Hands-free AR support for medical equipment procedures

DJI
Aerial cameras for use with Moverio-optimized apps

eon reality
Augmented Reality applications for education and training

Imaginary Computer
3D Augmented Reality games

JBKNOWLEDGE
AR applications for the construction industry

JOINPAD AUGMENTED · REALITY · COMPANY
Augmented Reality apps for industry

LYTESHOT LIVE ACTION GAMING
A sensor-based mobile gaming platform

nGRAIN SEE BEYOND REALITY
An interactive 3D AR platform for industrial applications

ON THE GO PLATFORMS
Gesture-based interfaces for smart glasses

PRISTINE
Hands-free, real-time remote collaboration applications

ROCHESTER OPTICAL
Provides frames and lenses for smart glasses

spinar +
Moverio-optimized augmented experiences for leading agencies and brands

SCOPE AUGMENTED REALITY SOLUTIONS
Custom-designed training and maintenance solutions

Semblance: AR
Next-generation Augmented Reality games

splashtop
Mobile-device-to-Moverio mirroring solution

Learn how you can become a Moverio partner. **Visit Epson.com/Moverio**

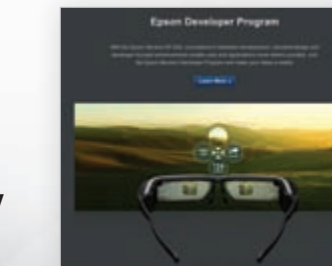
Find out more about Moverio

EPSON EXCEED YOUR VISION

Get the complete Moverio story at **Epson.com/Moverio**

You Tube

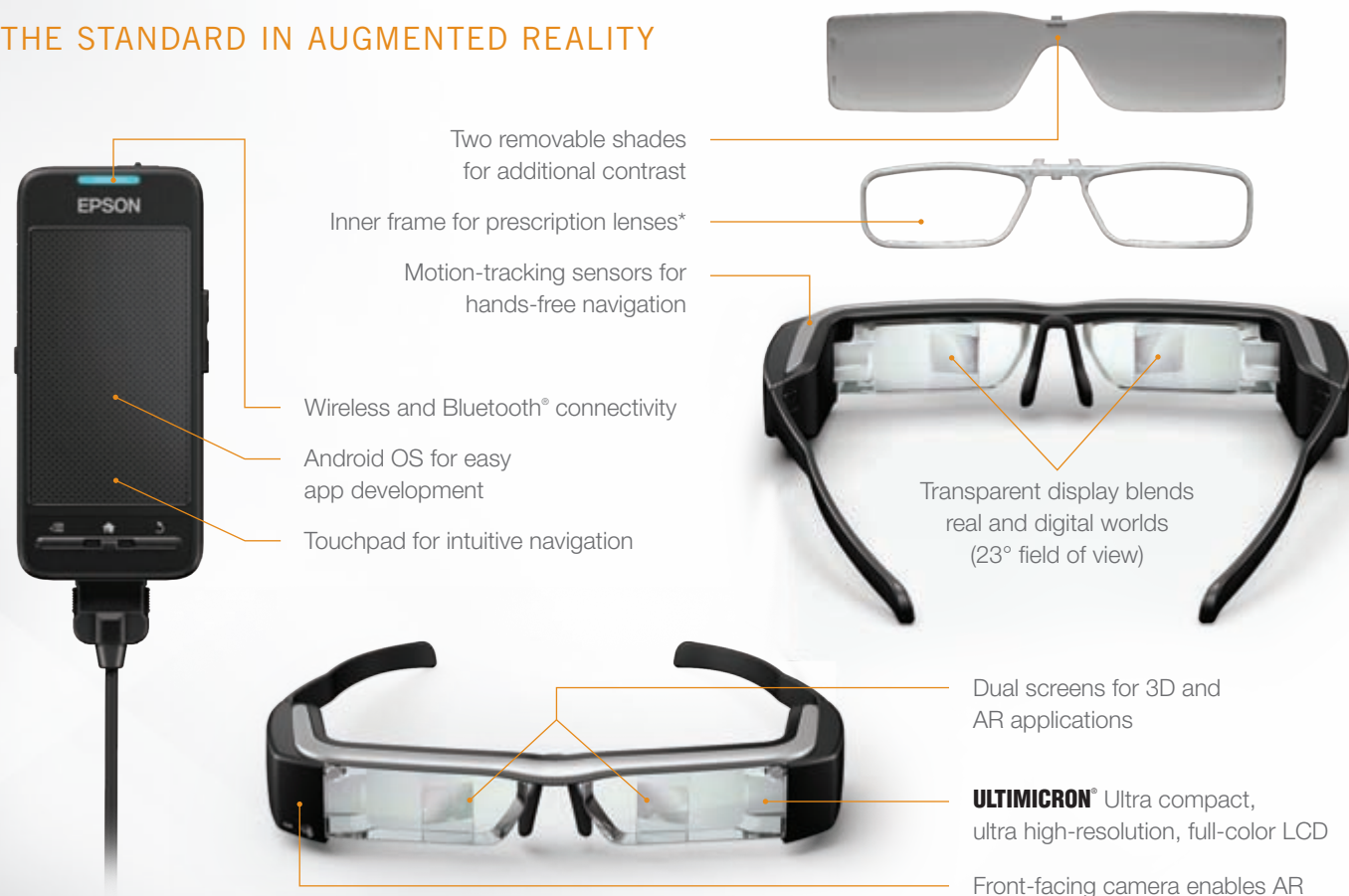Visit our YouTube page to see Moverio in action **youtube.com/Moverio**

Moverio

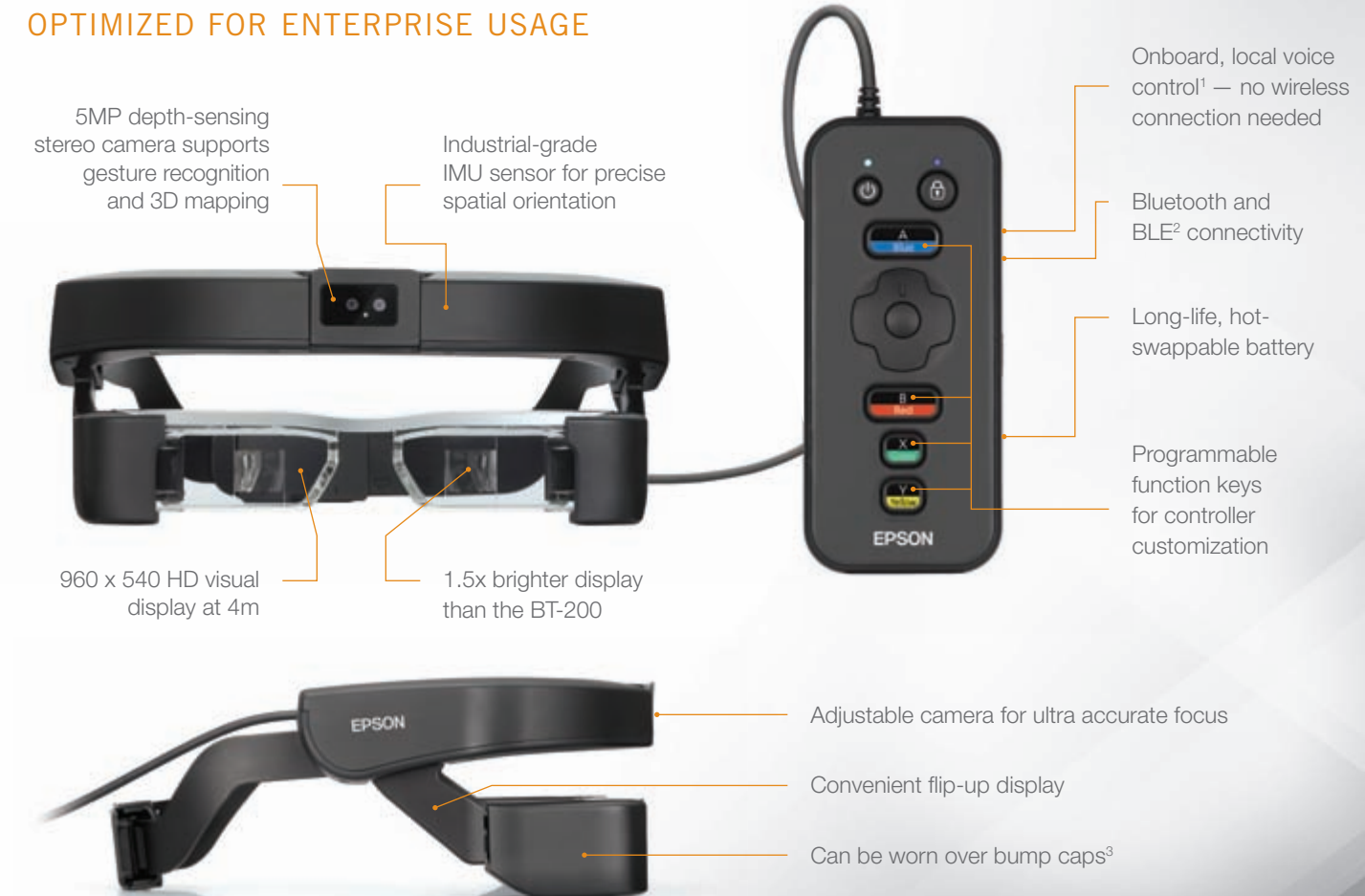Find out how to get the Moverio SDK at **Epson.com/MoverioDev**

Inside the Moverio BT-200

THE STANDARD IN AUGMENTED REALITY

Two removable shades for additional contrast

Inner frame for prescription lenses*

Motion-tracking sensors for hands-free navigation

Wireless and Bluetooth® connectivity

Android OS for easy app development

Touchpad for intuitive navigation

Transparent display blends real and digital worlds (23° field of view)

Dual screens for 3D and AR applications

ULTIMICRON® Ultra compact, ultra high-resolution, full-color LCD

Front-facing camera enables AR

*Prescriptions can be filled by Rochester Optical

Inside the new Moverio Pro BT-2000

OPTIMIZED FOR ENTERPRISE USAGE

5MP depth-sensing stereo camera supports gesture recognition and 3D mapping

Industrial-grade IMU sensor for precise spatial orientation

Onboard, local voice control[1] — no wireless connection needed

Bluetooth and BLE[2] connectivity

Long-life, hot-swappable battery

Programmable function keys for controller customization

960 x 540 HD visual display at 4m

1.5x brighter display than the BT-200

Adjustable camera for ultra accurate focus

Convenient flip-up display

Can be worn over bump caps[3]

1 Programmable, up to 100 words. 2 Limited profiles supported. 3 Compatibility list to be released.

Everything you need to develop winning apps

Moverio is built on the Android platform. So you can use the standard Android SDK to create apps. But that's only the beginning. We've partnered with industry leaders who have developed Moverio-optimized SDKs that make building apps easier than ever.

Epson SDK
This proprietary SDK lets you take advantage of unique Moverio features like Video Mute, Automatic 3D Activation and the ability to choose whether your apps are controlled by motion sensors in the control pad or the eyewear.

The Moverio developer site is where you'll find an array of tools for building apps for the Moverio BT-200 and new Moverio Pro BT-2000. And, once your app is complete, you can upload it and make it available as a free or paid app at the Moverio Apps Market. It currently features nearly 100 apps — ranging from 3D games to AR business solutions — with more being added all the time.

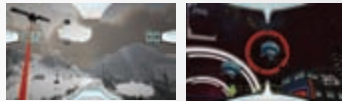**To find out more, visit Epson.com/MoverioDev**

Meet Moverio developer
Sean McCracken

An award-winning developer and founder of Imaginary Computer, Sean McCracken is widely recognized as an industry expert in smart glass game development. Here's what he has to say about Moverio:

"The Moverio BT-200s are the best Augmented Reality glasses out there. They're not just a heads-up display like Google® Glass.™ They're a true Augmented Reality platform. Moverio lets you create virtual worlds with an amazingly high immersion factor. I've been able to make games that make you feel like you're right in the middle of the action. It's amazing. **Moverio is the future.** And anyone who gets into developing apps for Moverio now will be early to the wearable boom that is about to happen."

SEAN McCRACKEN
Epson Developer Evangelist

Sean's *PSYCLOPs* and *Sky Temple* games take advantage of Moverio's innovative motion-tracking and immersive 3D capabilities to put players in the middle of the action.

Learn more about Moverio

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