

HD Barcode LLC Unveils HD VisionGuide A Hands Free, Online-Offline Navigation and Instruction System for Accessibility

Powered by patented HD InfoCode technology that embeds complete instructions and guidance directly inside each secure, offline code

INDIALANTIC, FL, UNITED STATES, August 12, 2026 /EINPresswire.com/ -- [HD Barcode LLC](#) today announced [HD VisionGuide™](#), a hands free navigation and information system powered by patented [HD InfoCode™](#) technology. Designed for both accessibility communities and the general public, HD VisionGuide provides autonomous navigation, room level guidance, and complete product instructions with or without internet access, ensuring reliable information in any environment.

HD VisionGuide pairs a mobile app with HD InfoCodes placed on floors, walls, doors, and appliances. Users can operate the system with a smartphone that is waist mounted, cane mounted, or even hand held, allowing the device to automatically read codes and deliver clear voice readouts or on screen text.

“

HD Barcodes has been called a memory stick on paper”

College Professor

“HD VisionGuide works online or offline, eliminating the risks associated with connectivity failures,” said Gary Parish, CEO of HD Barcode LLC.

Dual Audience Benefits: Accessibility + Universal Use
Accessibility Users



HD InfoCode being read with HD VisionGuide Hands free Waist Reader

HD VisionGuide enables blind, low vision, senior, and literacy challenged individuals to navigate public spaces independently. Whether the smartphone is waist mounted, cane mounted, or hand held, the device automatically reads HD InfoCodes placed throughout facilities and

provides room level guidance and essential instructions.

“As users move through a hotel, hospital, airport, or public facility, the device automatically reads HD InfoCodes, enabling users to navigate confidently and independently.”

General Public

HD VisionGuide also benefits mainstream users who need:

- Offline navigation in large facilities
- Clear appliance or equipment instructions
- Emergency guidance
- Room level directions
- Multilingual support
- Reliable information during connectivity failures

HD InfoCodes embed complete instructions directly inside the code, ensuring accuracy even when cloud systems fail.

Airline Example: United Airlines – Orlando International Airport

HD Barcode LLC developed a real world demonstration showing how HD InfoCode™ and HD VisionGuide™ can improve travel for every passenger at airports such as United Airlines at Orlando International Airport.

703KB of Offline, Always Accurate Travel Information

HD InfoCodes embed up to 703KB of secure, offline data, far beyond the ~3KB limit of QR Codes.

Airlines can include:

- Gate, terminal, and concourse details
- Baggage carousel assignments
- Connection instructions
- Airport maps
- Airline contact numbers
- Emergency guidance
- Multilingual text and audio
- Accessibility instructions
- Real time operational updates

All without relying on Wi Fi, cellular service, or cloud databases.

Instant Updates Printed at the Airport

Each airline receives its own authorized HD InfoCode generator, enabling staff to create and print updated codes on a standard desktop printer. This ensures travelers always receive current, accurate information, even during gate changes, delays, or irregular operations.

Multilingual Voice Readouts for All Travelers

Travelers can scan the code through the HD VisionGuide app to receive multilingual voice readouts, on screen text, or optional links to the airline's website or QR Code.

With more than seven million airline miles, CEO Gary Parish has personally helped countless travelers navigate airports. HD InfoCode™ automates that assistance — especially for blind and

visually impaired travelers — while improving the experience for every passenger who needs reliable, real time information.

Key Features

- Hands free autonomous navigation
- Works with a smartphone that is waist mounted, cane mounted, or hand held
- Online or offline operation
- Complete product instructions stored inside HD InfoCodes
- Accurate, private, and secure information
- Flexible printing options
- Ideal for accessibility users and mainstream consumers

Critical Information Cameras and Cloud Systems Cannot Provide

HD InfoCodes allow facilities to embed essential non visual information such as:

- Emergency instructions
- Safety notices
- Equipment directions
- Contact numbers
- Department specific guidance
- Public service information

This information is often not visually present and cannot be captured by camera based recognition systems.

Industry Applications

- Accessibility & Inclusion
- Hospitality & Travel
- Healthcare
- Manufacturing & Industrial
- Public Safety & First Responders
- Consumer Products

About HD Barcode LLC

HD Barcode LLC is a leader in secure data encoding and accessibility technology. The company develops patented solutions including HD InfoCode™ and HD CypherCode™, enabling organizations to deliver high density, private, and fully offline information to consumers and professionals.

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