



CyberAi

CyberAwareness™

The symmetry of awareness that occurs when human senses are integrated with Artificial Intelligence, such as the ability to see and hear.

Ai now has the ability to adapt to the changing environment around it.

The result is the autonomous interaction between animatronics and human beings.



CyberSage™

(Patent Pending)

Ai - Processing System

“ CyberSage-Ai (Patent Pending), is a solid-state Artificial Intelligence that can be integrated into any motion control system. CyberSage-Ai is currently integrated with the Weigl show control hardware and Weigl “Showforge” software. Our Ai system interacts with Weigl hardware by patching directly into the show multport network data port.”



CyberSight™

Ai - Vision System

“ When CyberSage™ can see, it can interpret and react to the changing environment. CyberSight™ can utilize any format of camera technology, Web Cam, Machine Vision, Flir, ToF, etc. Capability can include face or body tracking, Object identification, VSLAM, Obstruction avoidance, etc. ”



CyberSound™

(Patent Pending)

Ai - Auditory System

“ When CyberSage™ can hear, it can react to what you say and know where you are. CyberSound™ has a microphone array that utilizes direction of arrival technology which can track multiple guests simultaneously. Capabilities can include natural language processing, keyword and phrase triggers, IoT, etc. ”



Created By

DW INNOVATION.com
LAB

4225 Prado Road • Suite 108 • Corona, CA • 92878

DW Innovation Lab offers Ai software and hardware development as well as design services for all applications.

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See our magic
in Motion.



CyberSage™

PATENT PENDING



“Is an Artificial intelligence that can be integrated into any show control system.”

The DW Innovation Lab has created “CyberAi”, a company which specializes in the integration of motion control (Cyber) and Artificial Intelligence (Ai) systems.

“CyberSenses”, The Gateway to automated Ai and human interaction:

“CyberSage™ (Patent Pending)”, an Artificial Intelligence hardware/software solution that can be integrated with any motion control system. This integration has direct commercial application for the entertainment industry involving Animatronics or any sound / motion control system.

When CyberSage™ is combined with the ability to see, CyberSight™, and hear CyberSound™, then automated human interaction or “CyberAwareness” is achieved. This CyberAwareness allows Animatronics to interact with guests at amusement parks without human intervention.

A technological breakthrough that is limited only by the imagination.



CyberSound™

“When CyberSage™ can hear, it can react to what you say and know where you are.”

CyberSound™ has a microphone array system which utilizes “Direction of arrival” technology. This gives our Ai not only the ability to hear, but identify, locate, and track multiple guests simultaneously. The ability to hear “keywords” can also be used as show triggers.

CyberSound™ Technical Applications:

- Far-Field speech recognition
- “Air-gapped” Natural language processing (NLP)
- Spoken keyword trigger activation
- Human voice identification (Auditory biometrics)
- Automated noise cancellation
- Multiple sound source tracking and localization
- IoT (Internet of Things) integration



CyberSight™

“When CyberSage™ can see, it can interpret and react to the changing environment.”

Cybersight™ is an HD video capture system which can allow our Ai to identify, locate and track multiple guests simultaneously. Any visual object can become a show trigger such as hats, badges, shirts, etc.

Capable Video Formats:

- Web Cam, USB3, Machine Vision (MV), Time of Flight (ToF), Thermal (FLIR), etc.

CyberSight™ Technical Applications:

- Autonomous human interaction
- Navigation / obstruction avoidance (Visual odometry)
- VSLAM (Visual Simultaneous Location and Mapping)
- Face / pedestrian detection
- Object identification/detection
- Facial recognition (Visual biometrics)
- Emotion and sentiment detection
- IoT (Internet of Things) integration

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