

# Eagle Eye DH03 I/O Module

## 15W SIP I/O Module

The EN-SDUH-003a (DH03) is a compact, network-connected audio interface that brings existing analog speakers, intercom systems, or paging equipment into the Eagle Eye Cloud VMS platform. It supports two-way communication, pre-recorded audio playback, and a network connected I/O module with an audio interface. Whether you're retrofitting a building's PA system or integrating custom intercom solutions, the DH03 makes the transition to IP easy and scalable.

### AUDIO INTERFACE

Audio Codecs	OPUS 48 kHz, MP3 44.1 kHz, G.722, G.711 (PCMU/PCMA)
Mic Input	1 channel
Headset Output	1 channel
Speaker Output	1 channel
Pre-recorded Audio	WAV, MP3
Applications	<ul style="list-style-type: none"> <li>Connecting door stations, intercoms, or control buttons to IP</li> <li>Intrusion Detection System integration and alarm triggering</li> <li>Modernizing analog paging or PA systems</li> <li>Event-driven audio announcements via Cloud VMS</li> <li>Multi-zone broadcast control with external amplifiers</li> </ul>

### NETWORK AND PROTOCOLS

Network Interface	10/100 Mbps Ethernet (RJ45)
Protocols	SIP, ONVIF, HTTP, RTSP, RTP, TCP, UDP, FTP, NTP, DHCP
SIP Features	2 SIP accounts, direct IP call, multicast RTP

### ALARM AND CONTROL I/O

GPIO Inputs	2 channels
GPIO Output	1 channel
Relay Outputs	2 channels
Trigger Methods	GPIO, HTTP URL, SIP messaging

### POWER AND CONSUMPTION

Amplifier	Built-in 15W
Power Supply	PoE (IEEE 802.3af) or 12–24V DC
Enclosure	Metal
Dimensions	112 × 105 × 29 mm 4.4 × 4.13 × 1.14 in
Weight	0.25 kg 0.55 lbs



## Key features

- **Expanded I/O Capability**  
Includes GPIO input/output and dual relay outputs for alarm integration, automation, and control logic.
- **Analog-to-IP Audio Migration**  
Converts traditional speaker, mic, and headset devices into SIP-compatible IP endpoints.
- **Two-Way Intercom Support**  
Interfaces with existing audio hardware via mic, speaker, and headset ports.
- **48 kHz OPUS Codec**  
Ensures high-fidelity audio quality for both live and recorded content.
- **Pre-Recorded Message Support**  
Stores and plays WAV/MP3 audio files based on VMS events, button presses, or I/O triggers.
- **Compact Metal Enclosure**  
Durable form factor for installation in security panels, telecom closets, or behind existing audio gear.

### EAGLE EYE PART NUMBER

EN-SDUH-003a	Eagle Eye IO+Audio Module DH03, 2xInput, 1Relay, Audio/I/O
EN-SP01-M30-1	Eagle Eye VMS Speaker/Intercom M30 (24x7 support, central management) Monthly
EN-CCD03-0	Eagle Eye Camera L2 Complete Setup
EN-RRC02-1	Eagle Eye Camera L2 Ext Warranty and Rapid Replacement Monthly