CAM-1
COMMUNICATION AND AUDIO MODULE

IP ADDR
10.13.1.18

- POWER
- SBC POWER
- HDD
- HEARTBEAT
- SP-1
- SP-2
- SP-3
- SP-4
- RESET
- AUX IN 1
- AUX OUT 1

DISPLAY SELECT

USB

NET

GPS

CB RADIO

POWER
I

Callouts:
- LED status screen
- Display menu button
- Power and status activity
- USB expandability
- 3.5mm aux input/output
- 1Gbps ethernet port
- GPS comms
- CB radio output
- On/off switch

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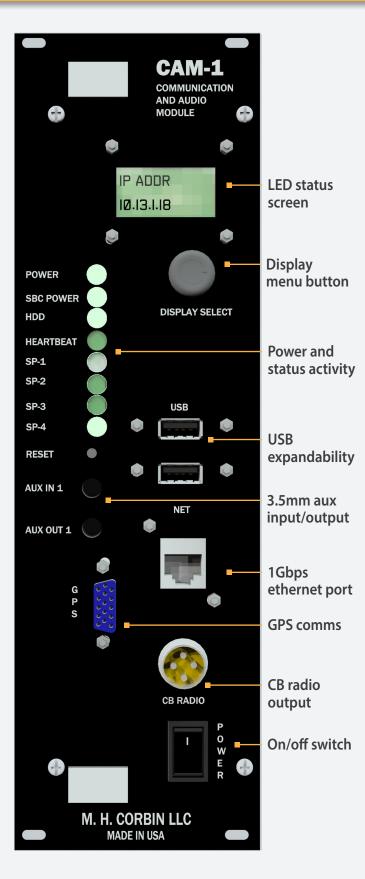MADE IN USA

COMBINES IP-BASED COMMUNICATION AND DIGITAL AUDIO FOR HAR SYSTEMS.

The Communication and Audio Module combines secure IP based control and high definition audio into a single, robust and highly efficient module. Upgrading existing HAR systems with HD audio is quick and simple because the CAM-1 utilizes the BlackMax Eurocard design. The CAM-1 is also backwards compatible with legacy systems utilizing the DR1500-80 recorder/player and the DCC digital communications controller.

The CAM-1 contains a secure web interface that simplifies HAR management by allowing end users to connect digitally from remote locations. This interface provides status information as well as control and configuration functions.

- Supports IP-based streaming digital broadcasts
- Can store up to 10 hours of audio; 900 messages and 25 playlists
- Provides input for weather radio and 3.5mm AUX for future expandability
- Simultaneous broadcasts of two independent messages to AM/FM radio, CB Radio frequencies and 3.5mm AUX
- Front-panel LED screen provides quick visual feedback on system status

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CAM-1 Communication and Audio Module

Sources

- Playlist
- Streaming audio
- Weather radio
- Auxiliary in (3.5mm audio connector)

Destinations

- DRTXM AM transmitter
- CB Radio
- Auxiliary out (3.5mm audio connector)

- Network audio streaming for broadcast feedback
- Integrated 5KHz low-pass audio filter (FCC 15-37)
- Web interface for remote control and status updates
- Support for multiple audio file formats including WAV and MP3
- HTTPS and user authentication on all operations
- SNMP monitoring and traps
- Broadcast synchronization compatible with existing DR1500-80 systems

TECHNICAL DATA AT-A-GLANCE

Interface, Ports	
Remote Control	Platinum Software, HTTPS UI, XML REST API
Local Control	Ethernet via Laptop, USB Flash Drive
LEDs	Power, System Status
Physical Description	
Weight	Less than 4.5 lbs.
Dimensions	10.25" H x 9" D x 3.25" W
Mounting	BlackMax® Eurocard 6U 19" rack DIN41494
Connectors	
Power	12V, BlackMax® Backplane
Ethernet	1Gbps RJ45 Ethernet (x2)
Other	USB 2.0 (x2), 4-pin CB, RS232 GPS
Computing	
Processor	Intel Atom 1.46 GHZ, 512KB cache
Memory	1 Gb DDR3L
Storage	8 Gb SATADOM 6 Gb/s
OS	Debian Linux 8.6
Environment	
Oper/Stor Temp.	-40° C to +85° C
Humidity	20%-95% RH, non-condensing

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