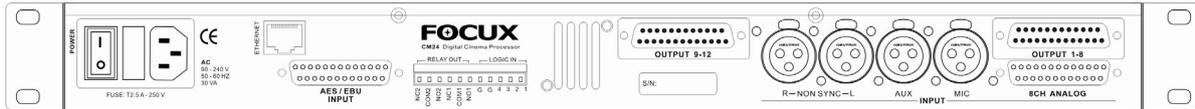# CM24

Digital Cinema Sound Processor

Features & Benefit

- ✓ **W**ireless touchscreen control and work status display.

- ✓ **A**ll-in-one (crossovers, 31-band GEQ, 16-band PEQ, delay, volume control, and noise generator)

- ✓ **8**-channel digital input (AES/EBU) for 2K/4K digital cinema server.

- ✓ **8**-channel analog input for 1.3K digital cinema server, or connects existing film sound processors.

- ✓ **4**-channel analog input for non-sync, microphone, and auxiliary modes.

- ✓ **12**-channel analog output: L (HF, LF), R (HF, LF), C (HF, LF), SW, LS, RS, BSL, BSR and Monitor.

- ✓ **E**thernet connector (can be monitored, controlled, configuration and upgraded).

- ✓ **D**ebug files that can be saved and recalled at any time.

This is a super powerful audio processor! The CM24 only 1.75 inch (44mm) high and installed with up to 200 professional audio processors. FOCUX brings a truly advanced experience to global digital theatres.

Sound engineers can precisely adjust each channel to suit the sound's details. Moreover, the additional functions such as the rapid switch between 7.1 and 5.1 as well as the independent parameter adjustment for left, right, and back surround speakers are included to enable maximum performance of the cinema speakers.

The CM24 provides multiple remote control modes. Users can operate the system software via a wired/wireless network anywhere. With the software provided by FOCUX, users can adjust and operate all functions. Through TMS, all daily standard operations can be performed as well as automation functions.

Technical Specifications

Parameters

Distortion: 0.001% (1 kHz @ -10 dBfs)

Dynamic Range: >120 dB typ (unweighted)

Crossovers: three passive or bi-amp screen channels

Graphic EQ: 30-band (1/3-octave) on all channels (except for subwoofer and monitor)

Parametric EQ: 14-band on all channels (10-band for subwoofer, 8-band for monitor)

Delay: All channels separately adjustable from 0~500 ms

Feedback Suppression: only for microphone

PCM: 44.1 kHz, 48 kHz, 96 kHz; 16 bit, 20 bit, 24 bit

Inputs and Outputs

Touch screen: 7 inch diagonal

8-Ch Digital Input: 25-pin female D-connector

Input impedance: 110 Ohm balanced

8-Ch Analog Input: 25-pin female D-connector

Input impedance: >20 k Ohm balanced

Non-sync Input: 2-channel XLR connector

Input impedance: >20 k Ohm balanced

Auxiliary Input: XLR connector

Input impedance: >20 k Ohm balanced

Microphone Input: XLR connector

Input impedance: >10 k Ohm balanced

Main Output: 8-channel 25-pin male D-connector

Output impedance: 50 Ohm

Extended output: 4-channel 25-pin male D-connector

Output impedance: 50 Ohm

Ethernet Connector: RJ-45 for network connection and PC setup software

General

Power: 90-240 VAC, 50-60 Hz

Humidity: 20%–80% relative humidity (noncondensing)

Operating: 32°F–104°F (0°C–40°C)

Dimensions (W*H*D）: 19" x 1.75" x 9" (483 mm x 44 mm x 229 mm)

Weight: 7 lbs (3.2 kg)

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