

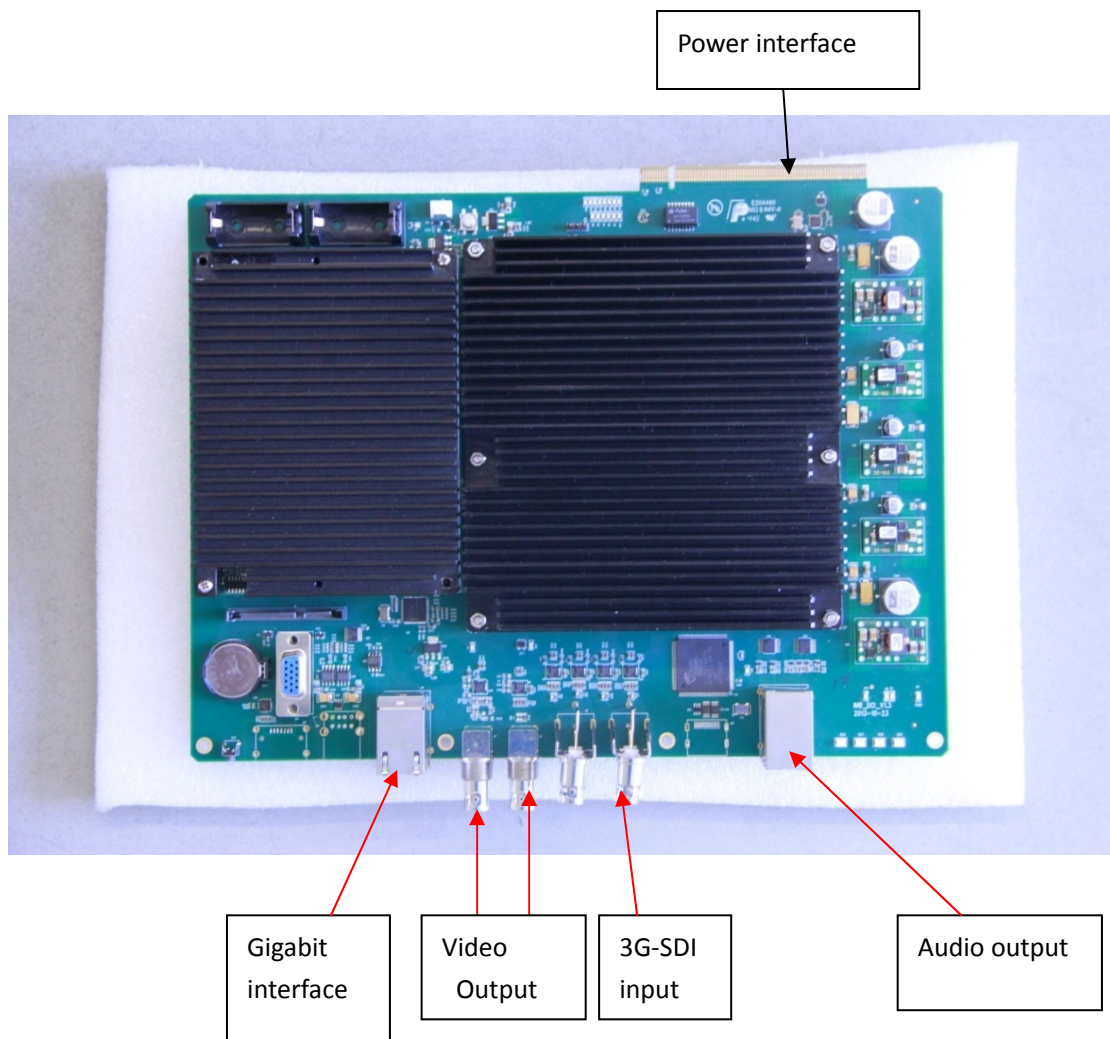
# CHN-III User Manual

## 1. Product Description

- ◆ CHN-III Digital Cinema servers can playback DCI Compliance JPEG2000 format digital film.
- ◆ CHN-III Digital Cinema servers can playback 2K & 4K format digital film.
- ◆ CHN-III Digital Cinema servers can playback digital film using Gigabit port. Digital Film source (DCP) can be ingested to COMe module for data processing via Gigabit port, and then the data will be transferred to FPGA which is core of IMB board through PCIe interface for audio and video decoding and decryption. Then the decoded and decrypted data will be transferred to external play equipment.
- ◆ CHN-III Digital Cinema servers don't need to connect with external servers, the IMB board itself can do the playback and content management.
- ◆ CHN-III Digital Cinema servers support 2D/3D High Frame Rates playback ( 48fps or 60 fps ) , and it also supports standard definition , High definition, 2K and 4K format.
- ◆ CHN-III Digital Cinema servers support 3G-SDI input, and also support image scaling to 2K format.

## 2. IMB board Interface Introduction

Below picture shows the CHN-III conditions that the metal cover has been removed.



- ◆ Gigabit Interface: For remotely control CHN-III Digital Cinema Server, and also include such as DCP management function and other functions.
- ◆ 3G-SDI Input Interface: For 3G-SDI digital video signal input. Keep for later release.
- ◆ Video Output: Transfer decoded and decrypted video signal to external equipment.
- ◆ Audio Output: Transfer decoded and decrypted audio signal to external equipment.

### 3. Operational instructions

- 1 ) Insert DC12V power adaptor output plug into the socket from the chassis of CHN-III digital cinema server as showed below .



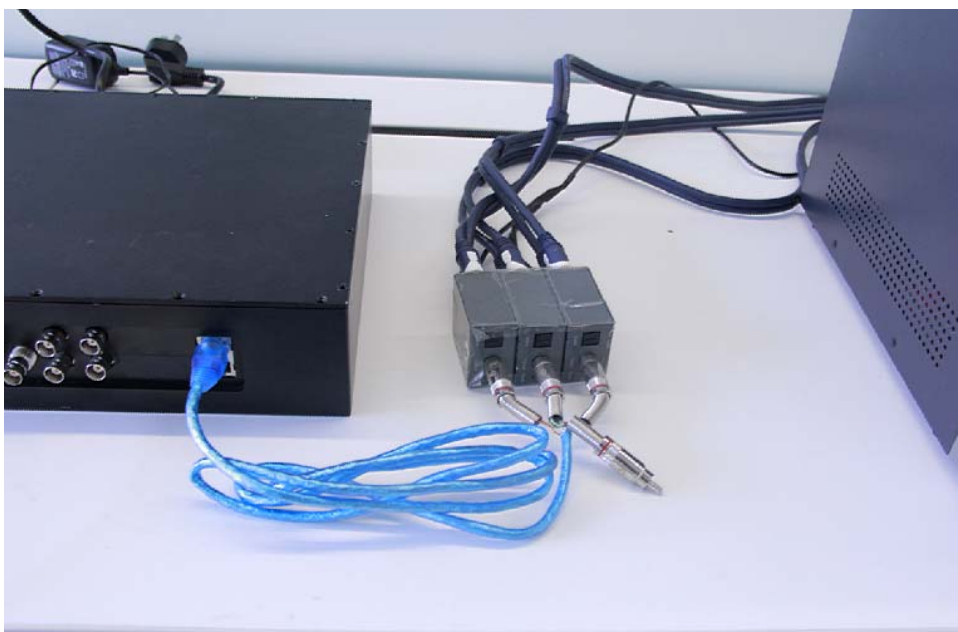
- 2 ) Connect video output interface of CHN-III Digital Cinema Server using SDI video cables and video transfer box as below:



3 ) Connect HDMI interface from monitor with the HDMI interface from the video transfer box as below:



4 ) Connect audio output interface from CHN-III Digital Cinema Server with audio converter using audio cables as below:





5 ) Connect output interface from audio converter with multi-channel power amplifier using audio cables as below :



6 ) Connect the network interface with Laptop network port using one cable as below:



7 ) After Confirm all connections for the equipments are right, then power up.

Then the lights from front panel of CHN-III Digital Cinema Server are on.

8 ) Running remotely login software SecureCRT on laptop, and log in the system of CHN-III using SSH.

9 ) Run below command:

```
>Su Cd mvc_play_201404020/drv/drv./play.sh
```

10) Then the system can playback audio and video.

### About FCC Declaration

This device complies with part 15 of the FCC Rules. Operation is subject to the following

two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does

cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV.