

# ***ez-Distributor***

3G-SDI/ HDMI

DISTRIBUTION AMPLIFIER

AUDIO MUX/ DEMUX

OPERATION MANUAL

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Lumantek's products comes with One (1) year limited warranty. Please contact below if you need more information.

### **LUMANTEK CUSTOMER SERVICES**

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## Installation Precautions

This page states the safety measures the users must take to avoid circumstances where the system may occur physical damages or injuries. Please THOROUGHLY go over this page before the system installation/operation.

## General Precautions

- Maintain dust FREE condition during and after System Installation/Operation.
- Please place the system cover in a safe location when opened.
- Securely stow tools and cables away from the passages.
- Avoid wearing loosened clothes or accessories during installation/Operation.
- Avoid any unnecessary actions that may damage/harm system or personnel.
- Do NOT open the system unless advised by Lumantek representative.  
Lumantek takes no responsibility on units with broken RMA seals.

## Power Precautions

- Please check cable overload before connecting the system to the power supply.
- Avoid wearing metal accessories (Rings, Earrings) connecting system to the power source.
- Avoid operating on wet floors. Make sure power extension cables, floors, and instruments are grounded and in a safe operating condition.
- Please discharge static electricity by touching grounding metals before starting hardware installation.
- The grounding parts must be disassembled last.
- Manufacture takes no responsibilities on Direct/Indirect losses or damages due to use of inappropriate parts or services by unauthorized service provider
- Supplying power during the system installation may cause damages to the system and personnel.

## AC Power Precautions

- This unit utilizes AC power, the cord comes with a grounding function.
- Please connect the system to the power socket with groundings.
- Use Green/Yellow 0.75mm<sup>2</sup> (18AWG) or higher grade grounding cables.
- Do NOT block power sockets with tools or boxes. Please keep it clear at all times.

# 01. Introduction

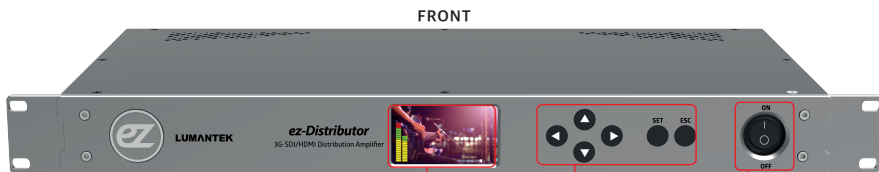
LUMANTEK's ez-Distributor is a 14 channels distributor in 1RU size. It has 1 x HDMI and 1 x 3G-SDI inputs, and 2 x HDMI outputs and 12 x 3G-SDI outputs. You can embed external audio and de-embed incoming video audio. With 2.7 inch TFT LCD screen, you can check input Video Display, Audio Meter Display, and Input Video Resolution Display.

## Features

- ① Support SD/HD/3G
- ② SDI Video In: SD/HD/3G-SDI (BNC 75Ω) x1
- ③ HDMI Video Input: SD/HD/3G (HDMI Type A) x1
- ④ SDI Video Output: SD/HD/3G-SDI (BNC 75Ω) x12
- ⑤ HDMI Video Output: SD/HD/3G (HDMI Type A) x2
- ⑥ Audio In/Output: XLR (Female) x2, XLR (Male) x2
- ⑦ 2.7 inch TFT LCD : Input Video Display(SDI or HDMI),  
AUDIO Level Meter Display, Input Video Resolution Display

## 02. ez-Distributor Interface

- ez-Distributor System Information



### LCD Display

Input Video Display  
Input Video Resolution  
Audio Level Meter

### Menu Setting Buttons

Setting input video and audio's menu

### Power Switch

AC Power ON/OFF switch



### AC Power

AC Power  
(100 -240V, 50/60Hz)

### Analog Audio In

XLR(Female) x 2

### Analog Audio Out

XLR(Male) x 2

### HDMI IN

Video input x 1 (HDMI Type A)

### USB2.0

Update (Micro USB Type)

### HDMI Out

Video output x 2  
(HDMI Type A)

### SDI Out

Video output x 12 (BNC Connector)

### SDI In

Video input x 1 (BNC Connector)

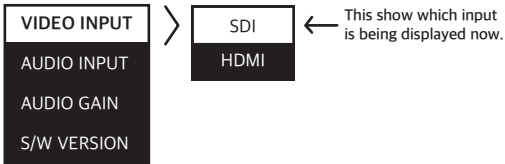
### 03. ez-Distributor Menu Setting Process

#### - Video Input Setting

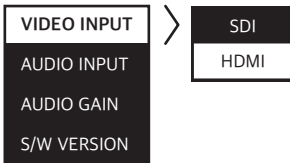
- ① Press **SET**, and active menu-box



- ② Press **▶**, and active sub-menu box to choose SDI or HDMI



- ③ Press **▼**, change from SDI to HDMI. And Press **SET**



- ④ Press **ESC**, go back to home menu.

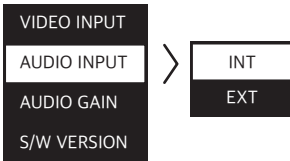
### 03. ez-Distributor Menu Setting Process

#### - Audio Input Setting

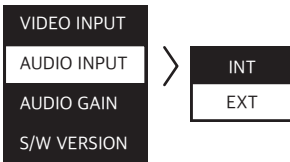
- ① Press **SET**, and press **▼**



- ② Press **▶**, and active the sub-menu box to choose INT or EXT



- ③ Press **▼**, change from INT to EXT. And Press **SET**



- ④ Press **ESC**, go back to home menu.

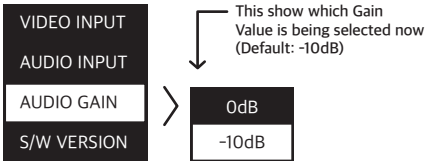
### 03. ez-Distributor Menu Setting Process

- Audio Gain Setting (About EXT Audio)

- ① Press **SET**, and press **▼** 2 times

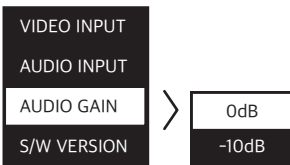


- ② Press **▶**, and active sub-menu box to choose two kinds of Gains.



This process is only working at EXT setting.  
If you set with INT, then you won't get any sub-menu box.

- ③ Press **▼**, change from 0dB to -10dB. And Press **SET**



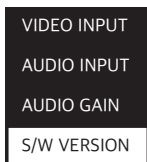
- ④ Press **ESC**, go back to home menu.



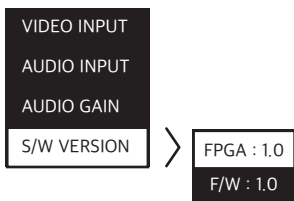
### 03. ez-Distributor Menu Setting Process

- Check Software Version

- ① Press **SET**, and press **▼** 3 times.



- ② Press **▶**, and active sub-menu box to check two kinds of S/W versions



- ④ Press **ESC**, go back to home menu.

## 04. Product Components

### ① ez-Distributor Main Frame



### ② Power Cable



## 05. Specification - ez-Distributor

### Data Input

SDI Video Input: SD/HD/3G-SDI (BNC 75Ω) x1

HDMI Video Input: SD/HD/3G x1

### Video Formats

- 720x480i@59.94/60

- 720x576i@50

- 1280x720p@50/59.94/60

- 1920x1080i@50/59.94/60

- 1920x1080p@23.94/24/25/29.97/30

- 1920x1080p@50/59.94/60

### Audio Input

XLR (Female) x2

### Data Output

SDI Video Output: SD/HD/3G-SDI (BNC 75Ω) x12

HDMI Video Output: SD/HD/3G x2

### Video Formats

- 720x480i@59.94/60

- 720x576i@50

- 1280x720p@50/59.94/60

- 1920x1080i@50/59.94/60

- 1920x1080p@23.94/24/25/29.97/30

- 1920x1080p@50/59.94/60

### Audio Output

XLR (Male) x2

### Connections

USB 2.0 : Firmware Update

### Display

2.7 inch TFT LCD : Input Video Display(SDI or HDMI), Audio Level Meter Display,

Input Video Resolution Display

### Electrical

Power Input: 100~240VAC @ 50/60Hz

Power Consumption: 15W (max.)

Operation Temperature: 32 to 113 °F / 0 to 45 °C

### Physical

Dimension: 44(H) X 478(W) X 226(D) (mm)

Weight: 6.61lb

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