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GetD Polarization System

User Guide

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1. Copyright:

Thank you for purchasing GetD single polarization system.

All parts of the product, including accessories, belong to GetD. Without permission, it is not allowed to copy and translate. As the improvement of the product, GetD reserves the right to modify and update the manual without prior written notice. When meeting any problems on the usage, please contact with GetD or your supplier.

Before using this product, please read the manual carefully and keep it properly.

In order to make you quickly master the using method of single polarization, we make the user guide. On this manual, you can obtain the knowledge of single polarization system, such as configuration, installation steps and the usage of operating system etc. We won't undertake any responsibility and loss if you are not in accordance with the requirements of the user manual and operating instructions.

Website: www.getd.hk/www.getd.cn

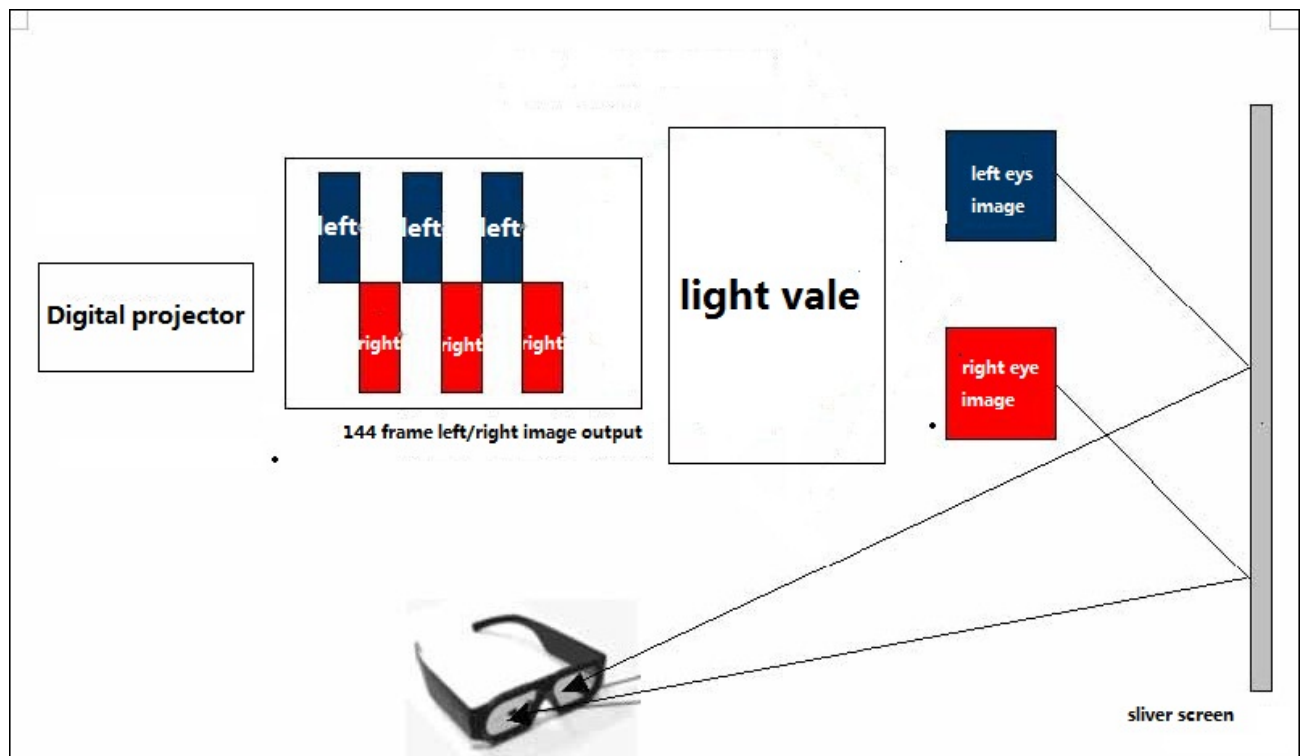
2. Product overview

GetD Single Polarization System use passive 3D technology is a polarization window that can be placed immediately in-front of the projector in order to generate stereoscopic 3D images on a suitable projection-screen when using lightweight passive viewing-glasses.

3. GetD Polarization System description

3-1. Polarized 3D technology

GetD Single Polarization System is a usual cinema 3D projection technology. It uses passive luminous efficacy, mainly by High-speed refresh of liquid crystal to show the left and right image alternately. Polarization light liquid crystal will change the circular polarization light angle of the right and left eye's image. After wear the circular polarized glasses, both eyes could see difference image. So, we can see different respective image for right and left eyes that to cheat our brains to achieve 3D view. Then we can see the beautiful vivid 3D movies.



3-2. GetD Polarization System features

Easy set up with any DCI-compliant DLP projector.

Easy installation within 10 minutes.

High optical efficiency of 19%

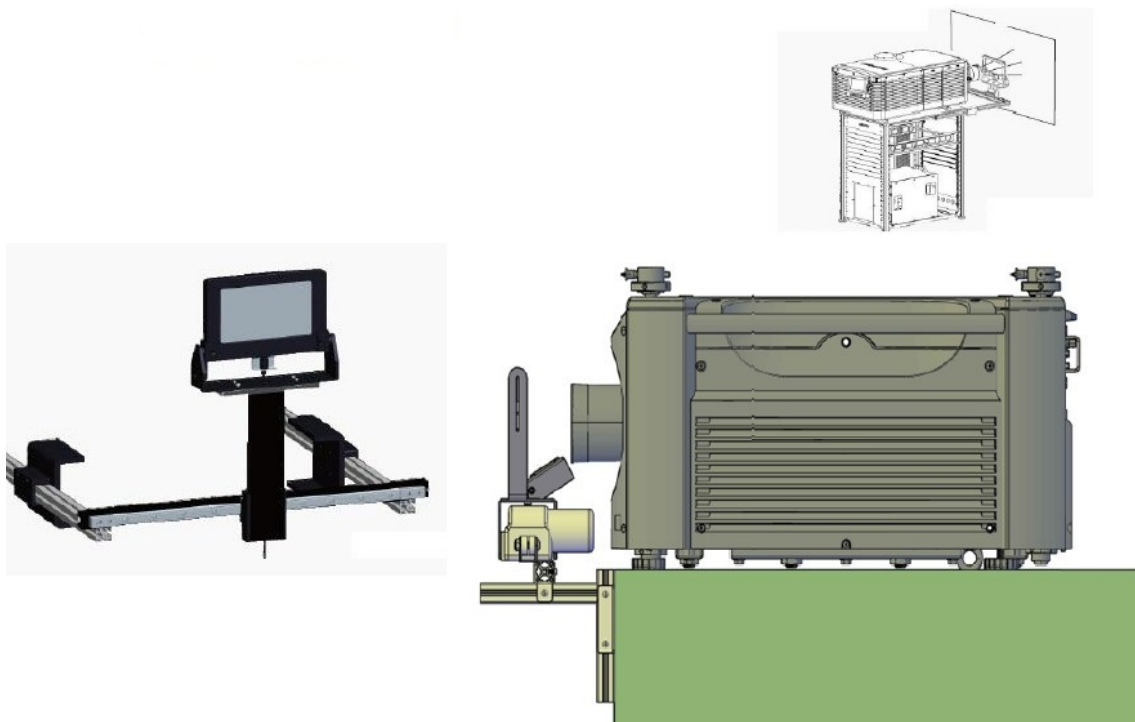
Prompt response LC Filter(less than 3ms).

Eliminate the ghost utmost.

Work with projector lamps up to 6KW.

Projection with screen base up to 10m (60ft) and a 2.4 silver screen gain.

3-3. Installation



3-4. Requirements

In order to ensure that the system can work well, there are some requirements for equipment, as follows:

-----Digital cinema projector

The projector must be standard 2k digital projector and can be compatible with the following models:

Barco: DP1200、DP1500、DP2000、DP90、DP100、DP2k-20C、DP2k-32B etc.

NEC: NC800、NC1600、NC2400、NC2000C、NC3200S etc.

Christie: CP2210、CP2220、CP2230、CP2000 etc.

-----Digital cinema servers

Servers must be DCI approved and 3D functional; the related brand as below:
Dolby, Doremi, GDC, Kodak, etc.

-----Silver screen

The screen must be silver screen with gain 2.4

-----3D Glasses

RealD Circularly polarized glasses required

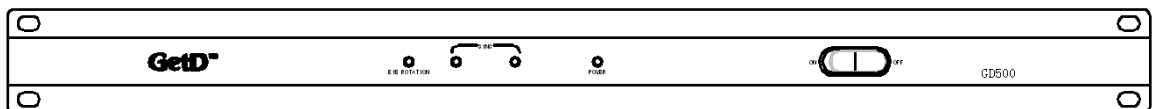
3-5. System components

The system is installed on the digital cinema projector, and each includes components as below.

3-5-1、 System control modulator

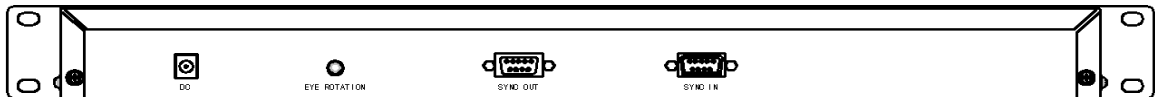
System control modulator is connected with projector, to control the SYNC signal for left and right eyes.

-----Picture for the front side



- ON/OFF Power on and off.
- POWER The LED illuminates green when power on
- SYNC The LED illuminates green for normal 3D signal, Red for abnormal signal
- REVERSE The LED illuminates green for left and right eyes switch

-----Picture for the back side



- DC Power interface
- REVERSE left and right eyes switch
- SYNC OUT 3D signal output
- SYNC IN 3D signal input

3-5-2.Polarizer module



Front View



Side view

- Signal input port: DB9
- Transmittance: 39%±1%
- Frequencies supported: 96Hz--480Hz
- Working temperature:-10°C -60°C
- Ghost: less than 1%
- Size: 210mm*140mm
- Polarization type: Circular polarized

3-5-3. Cables



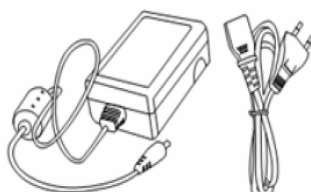
DB9-GPIO37 cable



DB9 cable

- DB9-GPIO37 cable: connect the projector and system control module; transmit the SYNC signals (DB937-DB9).
- DB9 cable: connect system control module and polarizer module; transmit the control signal to light valve module. (DB9-DB9)

3-5-4、 Power



Power and cables

- Power specifications: input AC110V-240V;
- Output DC24V-3.75A (control system power)

4. Cleanness and Maintenance for polarizer module

Clean only for visible dust and smut. When cleaning the dust on the screen, please do accordingly as below:

Do not touch the surface of the screen, because there are anti-reflection coatings on the screen and optical glass.

You can use the bright tool to check the surface of screen and optical glass, like the flashlight.

● Dust

Tools: flashlight, blowing nozzle

- 1、 Remove the polarizer module
- 2、 Blow dusts on the two screens by blowing nozzle
- 3、 Check the clearance of screen surface by the flashlight



● Fingerprints and smudges

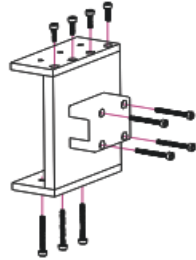
Tools: superfine fiber, flashlight

- 1、 remove the polarizer module
- 2、 Clean the Fingerprints and smudges on the screen by superfine fiber according to the linear or ring
- 3、 Check the residues on the screen by the flashlight

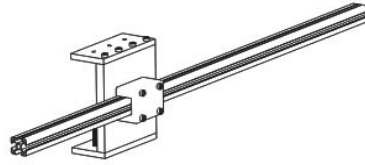
If you have any questions during the process of installing and using, please contact the supplier.

5. Installation and caution

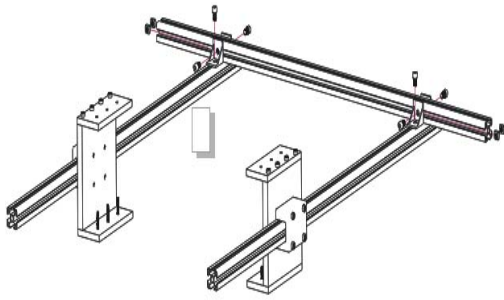
5-1. Installation diagram



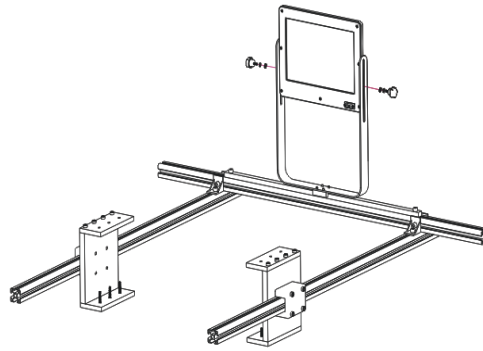
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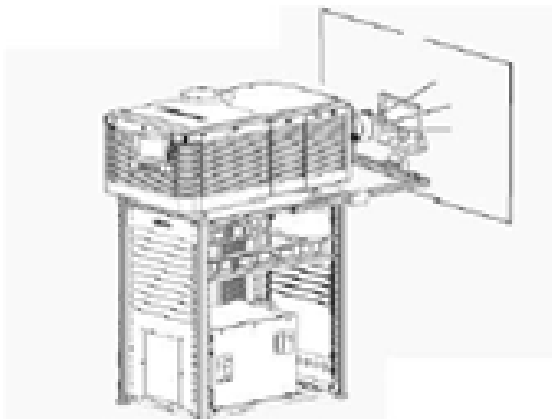
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5

5-2 、 Cautions

- 1、 Installation and configuration by professional engineers
- 2、 The polarization modulator should be placed directly in-front of the lens of the projector at a distance such that the image from the projector covers as much as possible the entire area of the polarization window in order to minimize thermal heating effects.
- 3、 The polarization modulator should not be placed closer than 100mm from the projector lens.
- 4、 Make sure the side with interface faces the projector, or there will be no 3D effect.
- 5、 Do not touch the screen surface with hands when installing.
- 6、 Do not wipe the polarizer module with rough objects; wipe it by soft material gently. Please refer to “**Cleanness and Maintenance for polarizer module**” for details

6. Guarantee

Valued customers:

Firstly, thanks very much for choosing GetD, it's our honor to have the opportunity to provide the superior service for you.

Please fully fill the guarantee card with your information, and make it stamped by the direct distributor. To protect your benefit , please ask for stamping from where you bought. Keep the original or the copy of invoice; otherwise, the guarantee time will be account from date of production when repairing.

GetD provider three-year guarantee for our cinema system that bought legally in the mainland of China (excluding Hong Kong and Taiwan area).

Factors below are out of GetD's guarantee service, and we'll charge for the repairing.

1. Products that beyond the guarantee time of GetD
2. Damage by irresistible force (flood, fire, earthquake, lighting strike, typhoon, etc.) or careless use by person.
3. Damage by behavior of using, maintenance, storage that do not follow the products instruction.
4. Un-authorization of repairing, retrofitting, changing component, modifying the circuit.
5. Miss or damage of the serial number, make over the guarantee card or unmatched products.

Warranty card

User's name:	Date of buying:
Contact:	Tel:
Add:	
Name of distributor:	categories:
Model:	Serial#:
Stamp of distributor:	