



## Portable Industrial LED Film Viewer

# FV-2010 Plus

- ▶ **Electronic Light mask - World First**
- ▶ **Larger size: 400×100mm (15.8×4 inch)**
- ▶ **FV-2010W Plus 440×80mm (fit to 480mm×100mm film) are available.**
- ▶ **CE Approved**

**MAX.L=130,000Cd/m<sup>2</sup>**

**g=0.95**

**σ'=0.95**

### Characteristic:

- Luminance : 130,000Cd/M<sup>2</sup> (408,200Lux)
- Uniformity: 0.95 , Diffusion factor:0.95
- Window Size: 400×100mm (15.8×4")
- Weight less than 4.0 Kg (8.8lbs)
- 12 hours continues maximum luminance, Surface temperature rise ≤ 18°C
- Unlimited dimmer from 5%-100%
- Free 2 years service guarantee
- CE Approved

### What is electronic light mask?

Traditionally we use a series of metallic light masks which are mount on the surface of film viewers. It is inconvenient when you replace the light masks when you want to change the size of light, and energy waste because it just mask the light where you do not need, but the entire light screen is still turn on.

Electronic light mask is electronics controlled, the light screen is divided into 6 parts, you can turn on or turn off each parts of light screen by press one key. With the help of it, you just turn on the area you need, it will be convenient when you change the size of light, low heat and low energy cost.

The size of light will be switched as below:



### Spare parts list:

| Description                               | Quantity |
|---|----------|
| Power adaptor & Line                      | 1        |
| Foot pedal                                | 1        |
| Light mask (400×70mm, 240×80mm, 100×80mm) | 1        |
| Instruction (English)                     | 1        |
| Guarantee and report (English)            | 1        |

### Specification:

|  |  |
|--|--|
| Max Luminance: ≥ 130,000Cd/M <sup>2</sup> (408,200Lux)               | Uniformity: g=0.95                     |
| Diffusion Factor: σ'=0.95  | Viewer window: 400×100mm (15.8×4 inch) |
| Surface temp. rise ≤ 18°C After 12 hours continues maximum luminance | Power: 85-264VAC 47~63Hz. (Full range) |
| Dimension: 600×80×160mm 23.6×3.1×6.3 inch (L×W×H)                    | Weight: 4Kg (8.8 lbs)                  |

## PRODUCT CERTIFICATE

|                      |                            |
|----------------------|----------------------------|
| PRODUCT              | Industrial LED film viewer |
| MODEL                | FV-2010                    |
| SERIAL NO.           | 100760                     |
| MEASUREMENT BASED ON | EN 25580 / ISO 5580        |
| MEASUREMENT RESULT   | QC Passed                  |

### Testing Report:

Maximum Luminance: 130,000Cd/M<sup>2</sup> Uniformity g: 0.96

Diffusion factor  $\sigma'$ : 0.95 Maximum Reading Density: 4.1 H/D

| Film Density | ASTM/EN/ISO |                   | TEST                   |
|--------------|-------------|-------------------|------------------------|
|              | MIN.        | Cd/m <sup>2</sup> | MAX. Cd/m <sup>2</sup> |
| 2.21         | 30          |                   | 812.54                 |
| 2.72         | 10          |                   | 265.50                 |
| 3.66         | 10          |                   | 40.20                  |
| 4.29         | 10          |                   | 9.10                   |

NOTE: The luminance mentioned in above table is measured light through the film.



INSPECTOR

INSPECTOR 3

MANAGER

INSPECTOR 1

Date of Measurement: 2014.2.28

**Lu Cheng NDT Equipment Corp.**