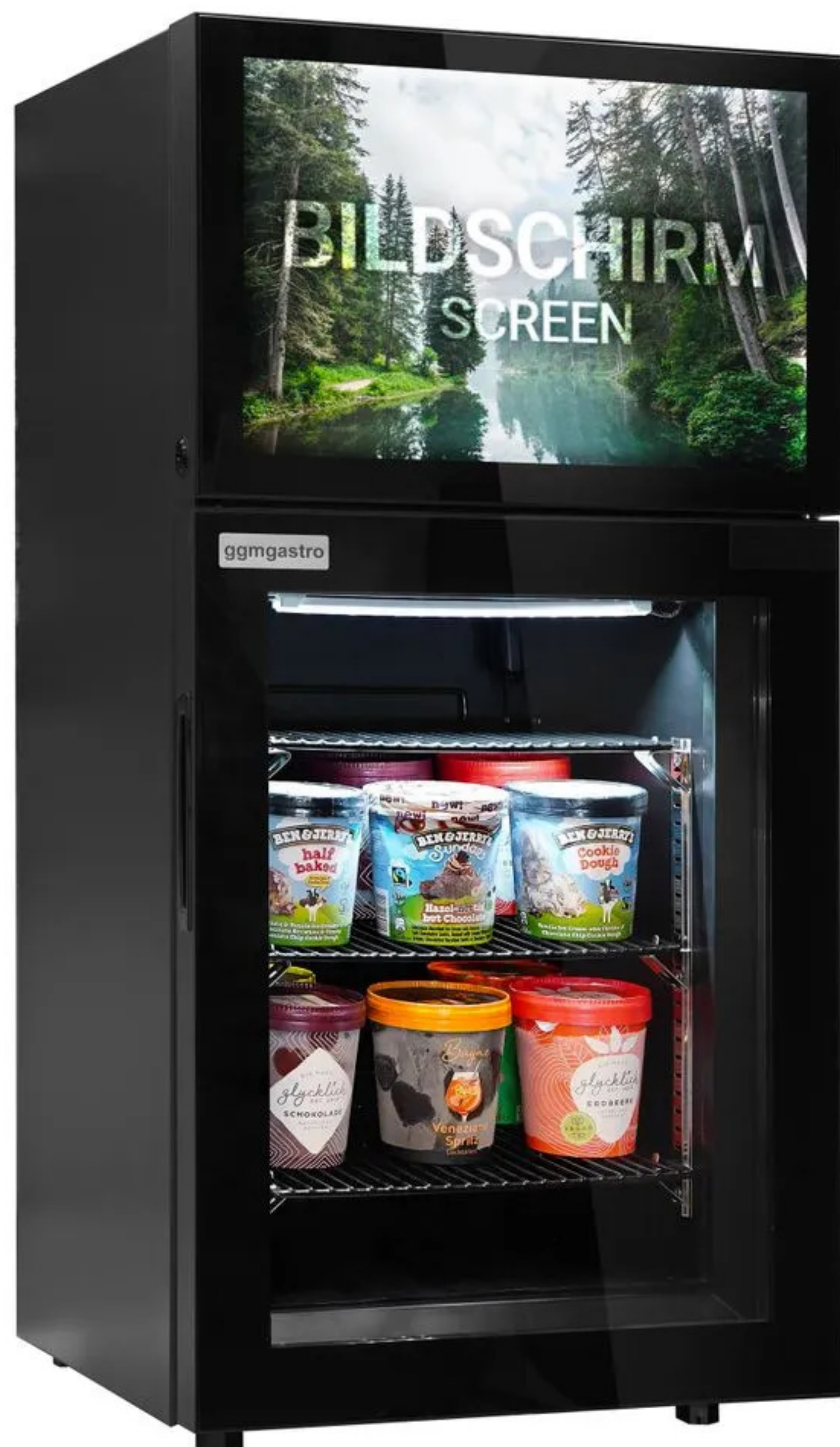


**ggm** **gastro**  
INTERNATIONAL

**METKHA449S**



## I.Product overview

The main board of this stand-alone advertising machine is a decoding and driving integrated board, which has superior performance. It can directly drive 1920\*1080 and below resolution LVDS screens, and can be easily embedded in various electronic products, such as vehicle mounted displays, LCD TVs, advertising machines, etc; It supports 1080p HD video playback and 1080p HD picture playback. It not only has the multi-mode playback function of digital multimedia, but also has rich external function interfaces, which will make your product have comprehensive advantages and meet the changing market demand.

Support USB copy function, which is convenient for users to update files.

Support USB and SD card playback.

Support scrolling subtitles.

Support logo display.

It supports the regular switching on and off of the machine every week (7 days, Monday to Sunday), with 5 segments per day

It supports regular switching on and off of the machine every day, with 5 sections every day

Support playback record.

Support file list playback and split screen playback.

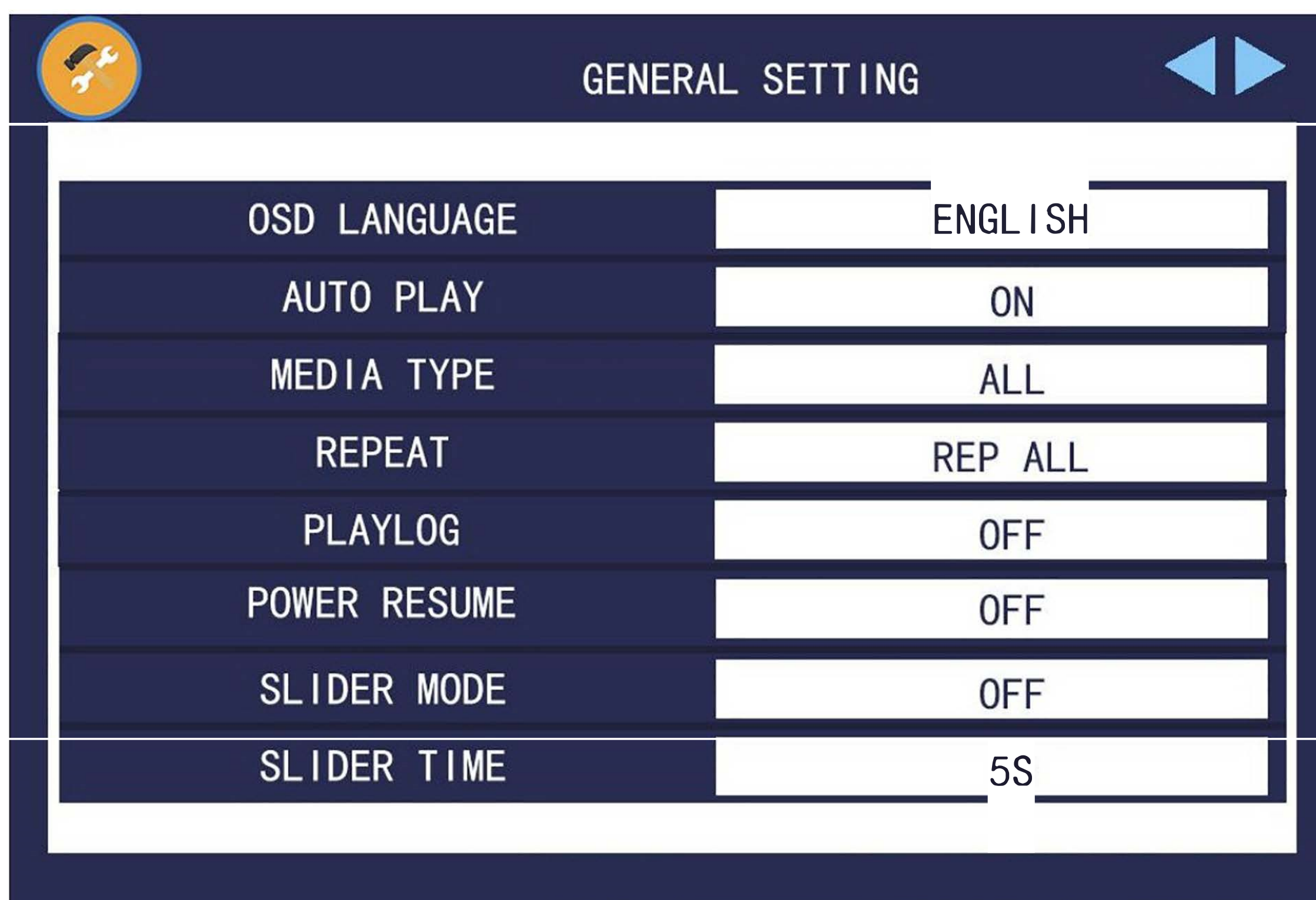
Support copy function.

Support inverted screen playback.

## II.Function introduction

Main Menu includes: General Settings、Calendar Settings、Advance settings and display settings.

### 1.General setting



GENERAL SETTING	
OSD LANGUAGE	ENGLISH
AUTO PLAY	ON
MEDIA TYPE	ALL
REPEAT	REP ALL
PLAYLOG	OFF
POWER RESUME	OFF
SLIDER MODE	OFF
SLIDER TIME	5S

#### OSD LANGUAGE

Chinese,English ... ( Default:English )

#### Auto Play

On/Off ( default value:ON )

#### Media type

All/video/photo/music/photo+music ( defalut:all )

## **Repeat**

Repeat all/Repeat one/Repeat none ( default:Repeat all )

## **Playlog**

On/Off ( default:Off )

## **Power resume(Power off during playback )**

Off/3 sec/5sec/8sec/10sec/15sec/20sec/25sec/30sec/40sec/50sec , 60sec ( default:Off )

## **Slider Mode**

Random/Off ( default:Random )

## **Slider Time**

3s/5s/8s/10s/15s/20s/25s/30s/40s/50s/60s ( Default:3sec )

## **Min Volume:**

0~100 ( Default:0 )

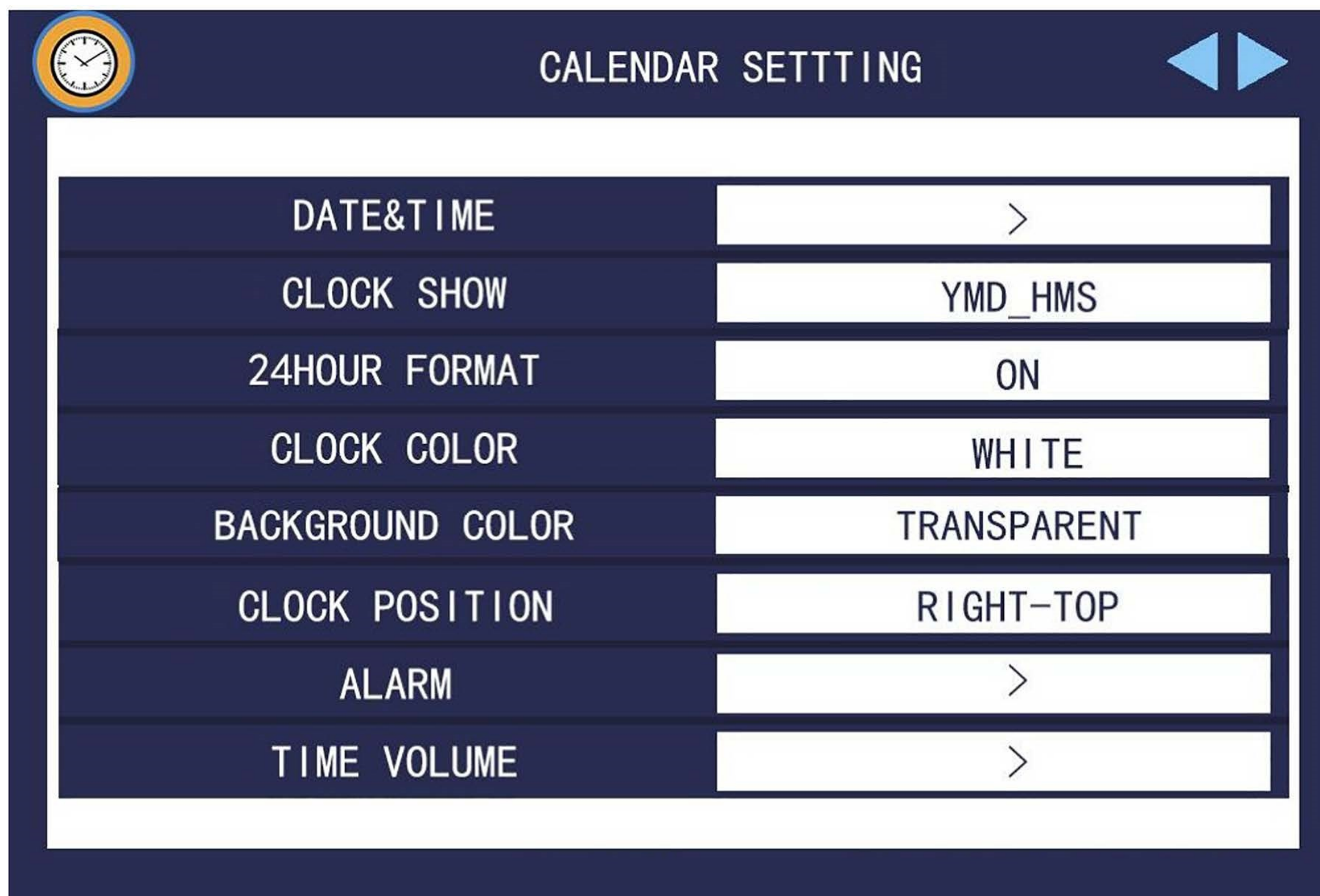
## **COPY TYPE**

Manul update/full update/overlap update/append update/Off ( Default:full update )

## **Copy device**

Usb->SD/SD->usb ( Default:Usb->SD )

## **2.Calendar Setting**



### Date&Time

Year/Month/day/Hour/Min/sec

### Clock show

HM/HMS/YMD\_HM/YMD\_HMS/YMD\_W\_HM/YMD\_W\_HMS/Off ( Default:HM )

### Clock color

yellow/white/black/red/blue/ ( Default:white )

### Clock position

Right-top/Left-Top ( Default:Right-top )

### Alarm Mode

Every day/Every week

### Alarm setting

Alarm ID:0~4,Please set ID,Switch,On/Off Time

## 3.Advance setting

ADVANCE SETTING	
ROLL TEXT	OFF
FRONT COLOR	BLUE
BACKGROUND COLOR	TRANSPARENT
ROLL SPEED	MIDDLE
TEXT POSITION	BOTTOM
SENSOR	OFF
SENSOR DELAY	NO DELAY
WINDOW SIZE	1/4

### Roll Text

On/Off(Default:Off)

### Front color:

White/Black/red/blue/Yellow ( Default:white )

### Background color:

Transparent/red/Yellow/blue ( Default:Transparent )

### Roll speed

slow/middle/fast ( Default:Middle )

### Text position

Bottom/Top ( Default:Bottom )

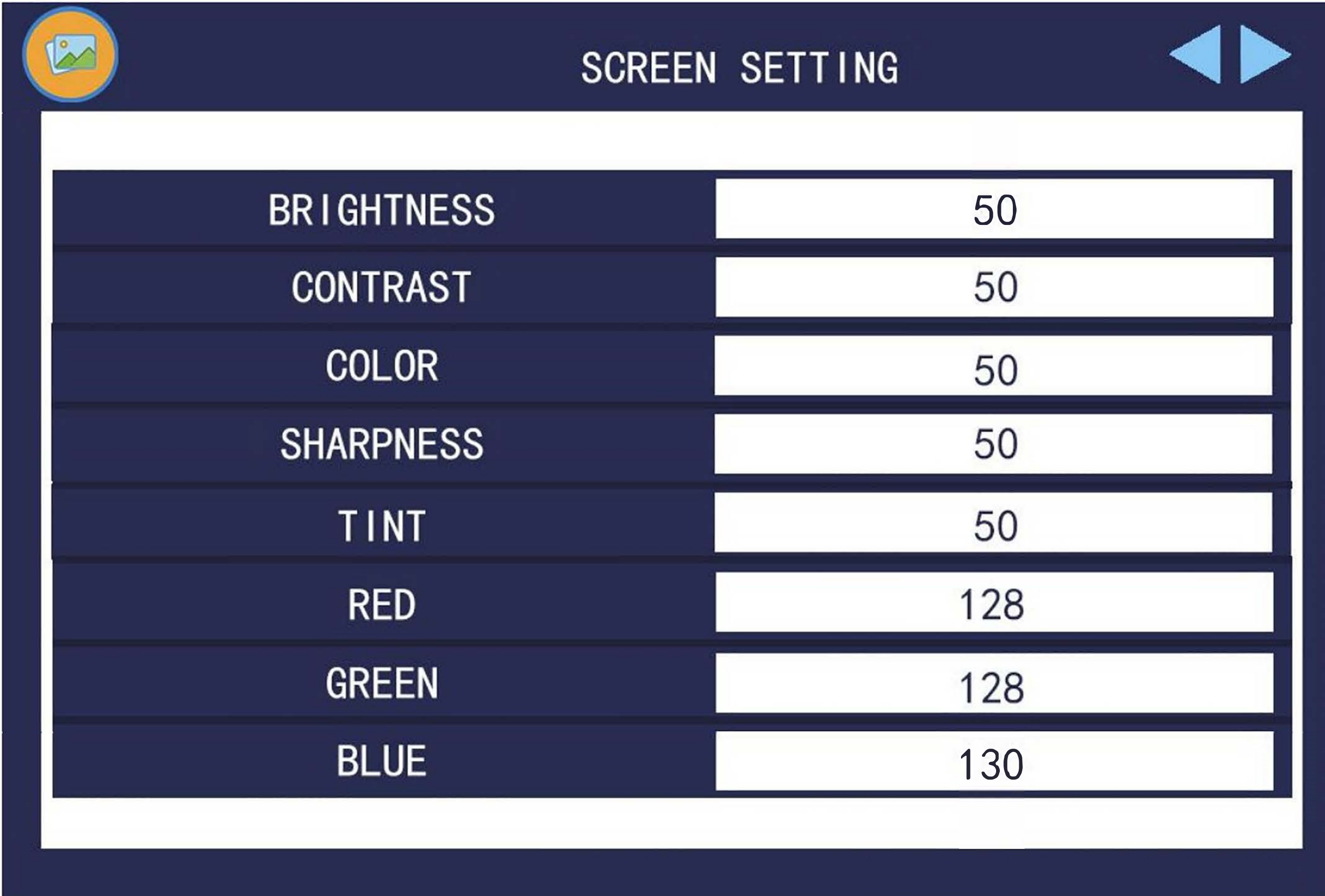
### Sensor:OFF

Sensor delay:No delay

Window size:1/4

Window position:Right-TOP

## 4.Screen Setting



SCREEN SETTING	
BRIGHTNESS	50
CONTRAST	50
COLOR	50
SHARPNESS	50
TINT	50
RED	128
GREEN	128
BLUE	130

### Brightness

0~100 ( Default:50 )

### Contrast

0~100 ( Default:50 )

### Color

0~100 ( Default:50 )

## Sharpness

0~100 ( Defalut:50 )

## Red (Temperature)

0~148 ( Defalut:125 )

## Green(Temperature)

0~148 ( Defalut:128 )

## Blue(Temperature)

0~148 ( Defalut:135 )

## Noise Reduction

Fast/Middle/Low/Off ( Defalut:Off )

## Aspect ration

16:9/4:3/Auto/fullscreen/PointToPoint ( Default:16:9 )

## UI style

Normal/90° /180° /270° ( Defalut:Normal )

## Mirror:

Normal

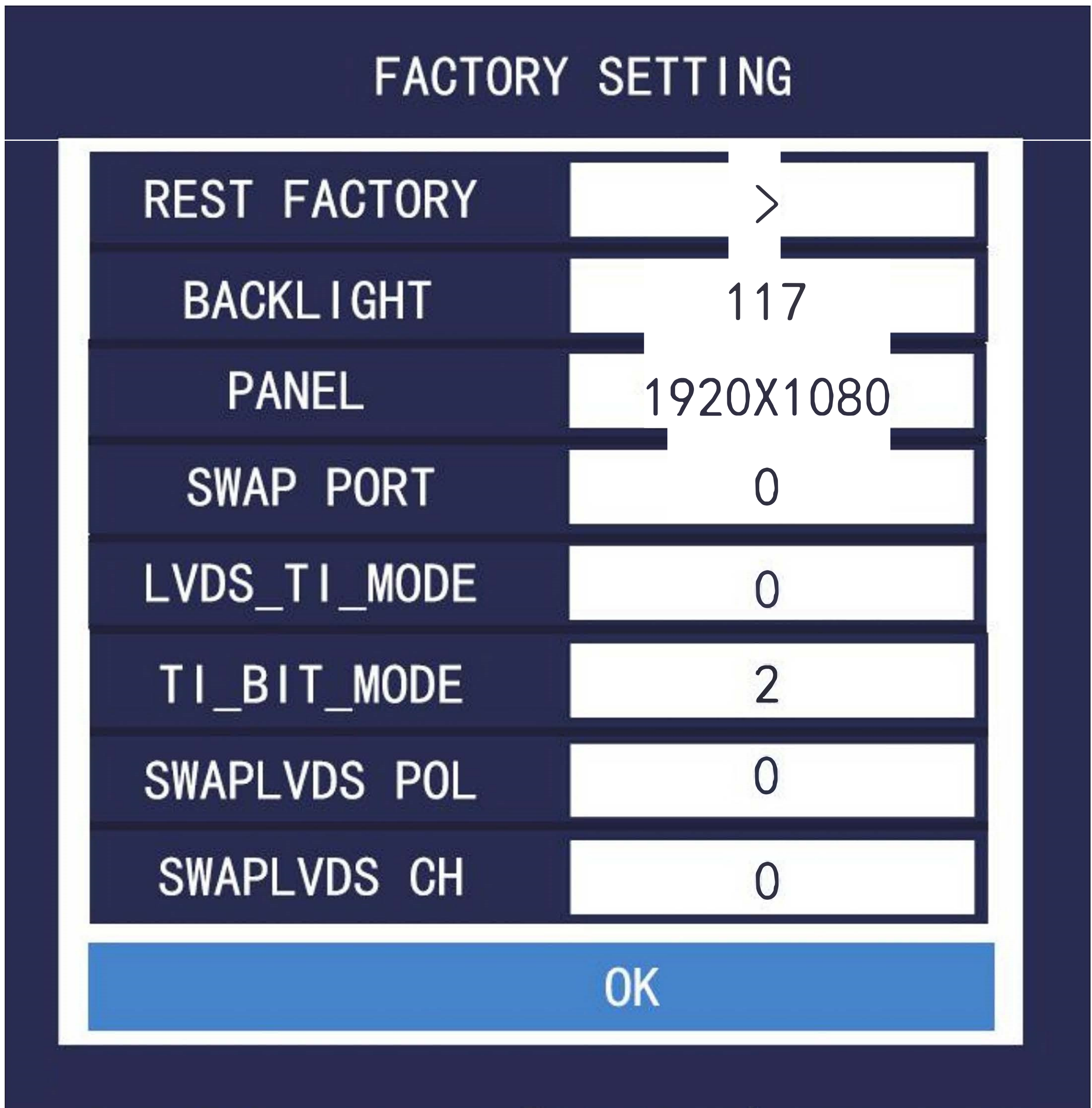
Horizontal mirror

Vertical mirror

Horizontal & Vertical ( Like 180 Rotate )

## 5.Factory setting





Enter factory setting: when display “SCREEN SETTING” , Press key “UP” for 4 times.

#### Soft upgrade ( USB )

1、 Copy M56\_XXXX.bin to U disk, Power on again, will be upgrade.

#### Reset Default:

Reset factory default setting.

## Backlight:

Screen backlight:0~255 ( Default :255 )

## Screen resolution:

800x480、1024x600、1024X768、1280X1024、1366X768、1440X900、1680X1050、1920X1080

SWAP PORT 0/1, LVDS A/B Port swap ( Default: 0:no swap )

LVDS\_TI\_MODE 0/1, Jieda/Vesa map=0, map=1 ( Default: 1 )

TI\_BIT\_MODE 0/2/3, LVDS bit format 0-10bit, 2-8bit, 3-6bit ( Default: 2 )

SWAP LVDS POL 0/1, LVDS signal event/odd D+/D- ( Default: 0 )

SWAP LVDS CH 0/1, D0 D1 D2 CLK D3 Swap channel D3 CLK D2 D1 D0  
( Default: 0 )



Please open it with notepad.exe, content:

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<MSCONFIG>
```

```
<PANEL PARAM>
```

```
<RESOLUTION>1366X768</RESOLUTION>
```

```
<SWAPPORT>0</SWAPPORT>
```

```
<LVDS_TI_MODE> 1</LVDS_TI_MODE> //map1=0, map0=1
```

```
<TI_BITMODE>2</TI_BITMODE> //0=10bit, 2=8bit, 3=6bit
```

```
<SWAPLVDS_POL>0</SWAPLVDS_POL>
```

```
<SWAPLVDS_CH>0</SWAPLVDS_CH> D0 D1 D2 CLK D3 swap D3 CLK D2 D1
```

```
<DITHER>0</DITHER>
```

```
<PDP10BIT>1</PDP10BIT>
```

```
</PANEL PARAM>
```

```
</MSCONFIG>
```

### III. Roll text

Create a new document ( named as ROLLTXT.TXT ), open it with notepad.exe。



File save as ANSI(Encode), copy it to USB or SD card.

### IV. Play log

In the “General setting” ->” Play log” ,set “ON” , in sd card will generation log.xls file.



File content:

Date	Time	FileName	Status
2013-1-1	14:21:03	.jpg	Succeed!
2013-1-1	14:21:08	.jpg	Succeed!
2013-1-1	14:21:13	.jpg	Succeed!
2013-1-1	14:24:13	.jpg	Succeed!
2013-1-1	14:24:19	.jpg	Succeed!
2013-1-1	14:24:24	.jpg	Succeed!
2013-1-1	14:24:34	.avi	Succeed!
2013-1-1	14:28:30	.mp4	Succeed!
.....			

Date

Time

FileName

Status played status ( Succeed/ Failure )

## V. USB file update.

File update: Manual/full update/Overlap update/append update

Full update: Insert udisk, delete all files, copy file to SD card。

Overlap: Insert udisk, Keep the original file,when same filename,override it.

Appendix:

## Remote



# Decoder support

Media	video	MPG,MPG-1,MPG-2, MPG-4,AVI,MP4, DIV, TS, TRP, ,M2TS,MKV
	Photo	JPEG, BMP, PNG
	Audio	MP3
Video format	Resolution	1920*1080@60Hz
	bits	24bit
	Max fps	30fps
	Maximum code stream	USB2.0 device:20Mbit/sec
Audio	Sample rate	32kHz,44.1kHz,48kHz,96kHz
	Bit rate	32kbps, 448kbps