FMod-OLEDMicroSD
Datasheet

This standalone OLED display allows the creation of animations from any video, image and simple text. The sequence is performed directly and simply using the embedded text file "sequence.txt".
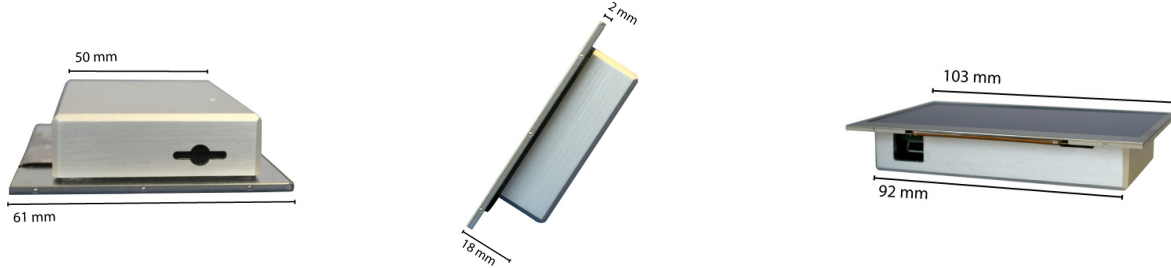
The interface used is the USB standard with a microSD memory.

Simply connect this device to your computer, upload the videos and images on the memory card, modify the "sequence.txt" and run it.

This display can be used as dynamic label for showcases in shops or museums...

Dimensions

50 mm

61 mm

2 mm

18 mm

103 mm

92 mm

Power supply

DC [5V] trough USB mini B connector
Max current: 1A

Configuration interface

Communication: USB full speed 12MB/s
Extern memory: MicroSD (FAT16 & FAT32)

Display

Display type: OLED (Organic Light Emitting Diode)
Size: 4.3"
Resolution: 480 x 272 pixels
Video format: AVI uncompressed - 20 frames/second
Image format: BMP 24 bits colors

Sequence programming

Commands available :

FILL color (Color can be a standard color name or an hex RGB value #rrggbb.)

IMAGE filename.bmp

VIDEO filename.avi

FONT filename.5ft

TEXT x y justification color "text to display" (Text is displayed (with last font loaded) at position xy (in pixels) with color and justification chosen (LEFT, RIGHT, CENTER).

PAUSE value (in milliseconds)

STOP

```
sequence.txt - Notepad
File  Edit  Format  View  Help
###############################################
#
# Sequence file for FMod-OLEDMicroSD
# Copyright FiveCo Innovative Engineering 2002-2010
# http://www.fiveco.ch
#
###############################################

IMAGE icebang.bmp
FONT "fonts\ArialBlack33px.5ft"
TEXT 8 78 LEFT WHITE "SPLIT SECOND"
TEXT 8 111 LEFT WHITE "ICEBANG"
FONT "fonts\ArialBlack27px.5ft"
TEXT 8 161 LEFT LIGHTGRAY "301.CT.130.RX"
PAUSE 6000
IMAGE "icebang.bmp"
TEXT 8 30 LEFT WHITE "Black Dial"
PAUSE 300
TEXT 8 60 LEFT LIGHTGRAY "Power reserve"
PAUSE 300
TEXT 8 90 LEFT WHITE "Bezel in Tungsten"
PAUSE 300
TEXT 8 120 LEFT LIGHTGRAY "Case in Black Ceramic"
PAUSE 300
TEXT 8 150 LEFT WHITE "Black Rubber Strap"
PAUSE 300
TEXT 8 180 LEFT LIGHTGRAY "Split Second Self-winding"
TEXT 8 205 LEFT LIGHTGRAY "chronograph movement"
PAUSE 6000
VIDEO icebang.avi
```

Where to find more information

Please download the user's manual from the following address: www.fiveco.ch/section_engineering/projects/oled_microsd_E.htm