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M-1093F Dual 9-inch FHD Waveform Rack LCD Monitor



Item# M-1093F
\$3,550.00
Availability: Usually ships in 1-2 weeks

Product Description

The **M-1093F** adopts 2 \times 9-inch IPS (In-Plane Switching) LCD panels, with Full HD 1920 \times 1200 resolution and LED backlight, 800:1 contrast. The viewing angle is Horizontal: 170 $^{\circ}$ / Vertical: 170 $^{\circ}$

Key Features:

- 9-inch IPS LCD Panel \times 2
- 1920 \times 1200 resolution, 800:1 contrast
- 19-inch 4U rack mounting, \times 30 $^{\circ}$ rotatable
- 2K/3G/HD/SD-SDI, HDMI, CVBS monitoring
- 16-ch Embedded audio meters with alert
- Select any 2 audio channels to output
- Select any 2 audio channels to output
- Waveform Y/Cb/Cr/R/G/B and single line
- Vector scope, histogram R/G/B/Y
- AFD, H/V delay, R/G/B/Mono, False color
- TSL UMD and text TALLY display
- Zebra stripes, Peaking focus assist
- SDI timecode display
- Marker 4:3, 13:9, 15:9, 1.85:1, 2.35:1
- TALLY light and GPI control
- USB firmware upgrade

Specifications:

| LCD Performance | | |
|---------------------|--|--|
| Size | 9 inches | |
| Display area | 191.52x119.70mm | |
| Resolution | 1920x1200 | |
| Aspect ratio | 16:9 (4:3adjustable) | |
| Brightness | 450cd/m2 | |
| Contrast | 800:1 | |
| Color | 16.77 million color | |
| Viewing angle | Horizontal: 170 $^{\circ}$; Vertical: 170 $^{\circ}$ | |
| Input (EACH LCD) | | |
| BNC X2 | 2K/3G/HD/SD-SDI input X2 | |
| BNC x1 | Composite Input | |
| HDMI x1 | HDMI input | |
| 3.5MM x1 | Analog audio input | |
| Output (Each LCD) | | |
| BNC x 2 | 2K/3G/HD/SD-SDI loop output | |
| BNC x 1 | Composite loop output | |
| HDMI x 1 | HDMI loop output | |
| 3.5MM x 1 | SDI, HDMI, Analog audio output | |
| Video Format | | |
| CVBS | Converted NTSC/PAL | |
| SDI | SMPTE 2048-2 | 2048 \times 1080p (23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60) |
| | | 2048 \times 1080i (50 / 59.94 / 60) |
| | SMPTE-425M | 1080p (60 / 59.94 / 50) |
| | SMPTE-274M | 1080i (60 / 59.94 / 50) |
| | | 1080p (30 / 29.97 / 25 / 24 / 23.98) |
| | SMPTE-RP211 | 1080psf (30 / 29.97 / 25 / 24 / 23.98) |
| | SMPTE-296M | 720p (60 / 59.94 / 50) |
| | SMPTE-125M | 480i (59.94) |
| | ITU-R BT.656 | 576i (50) |
| | HDMI | 1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98) |
| | 1080psf (30 / 29.97 / 25 / 24 / 23.98) | |
| | 1080i (60 / 59.94 / 50) | |
| | 720p (60 / 59.94 / 50) | |
| | 480i / 576i / 480p / 576p | |
| General | | |
| Power consumption | \leq 36W | |
| Working Voltage | DC/Battery 6.5V-24V | |
| Working Environment | Temperature: 0 $^{\circ}$ C-+40 $^{\circ}$ C, Humidity:10%-90% | |
| Dimensions | 484x177x112.8mm | |
| Net weight | 2.8Kg | |

Input/Output Interfaces (SDI/HDMI/CVBS/Analog Audio)

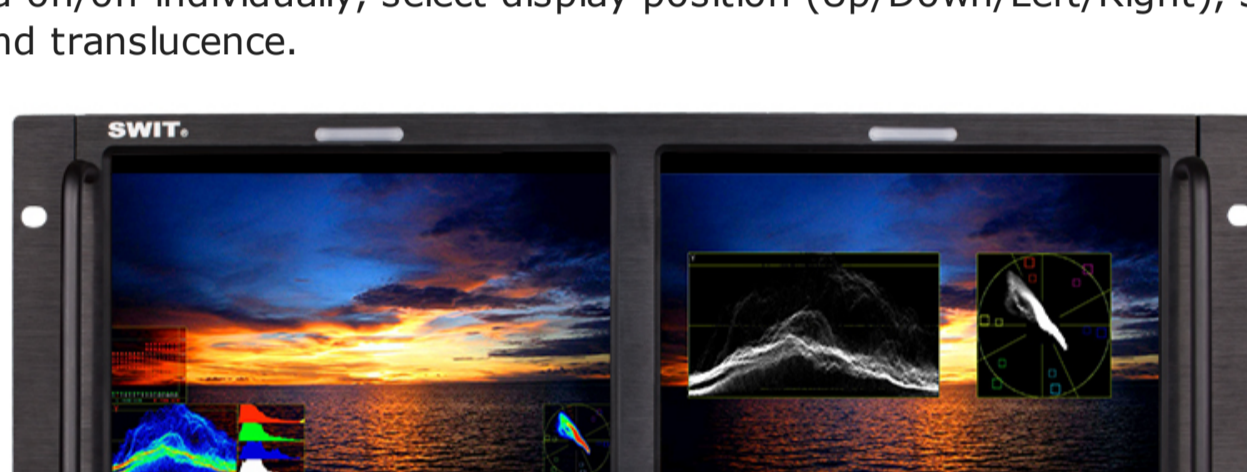
Each LCD of **M-1093F** monitor supports:

- 2K/3G/HD/SD-SDI input \times 2
- 2K/3G/HD/SD-SDI loop output \times 2
- HDMI 1.3 input \times 1
- HDMI 1.3 loop output \times 1
- CVBS input \times 1
- CVBS loop output \times 1
- 3.5mm analog audio input \times 1
- 3.5mm analog audio output \times 1



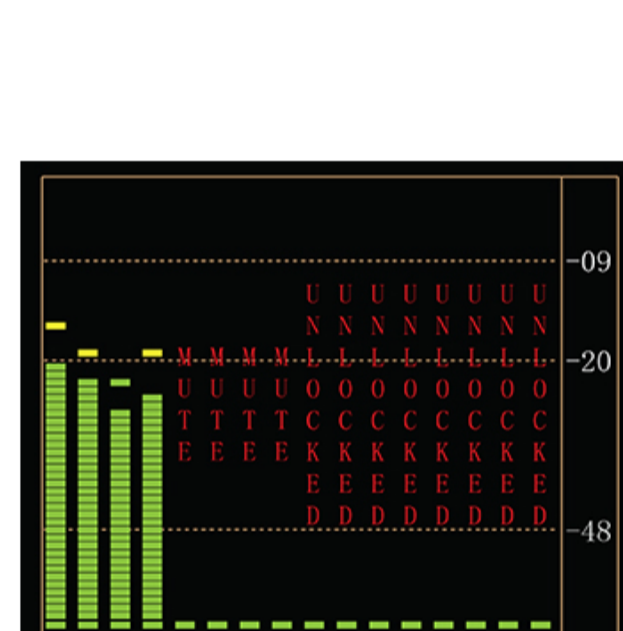
Video Analysis Assistant Pattern (Waveform / Vector scope / Histogram)

M-1093F supports video analysis assistant patterns includes: Waveform (Y/Pb/Pr/R/G/B), Vector scope, Histogram (R/G/B/Y), to convert the digital video quality info (Luma, Color, Saturation, etc) to patterns, and the patterns can be switched on/off individually, select display position (Up/Down/Left/Right), size, color, and transluence.



Embedded Audio Monitoring (Up to 16-ch meters with alert and select output)

M-1093F supports SDI-16ch and HDMI-8ch embedded audio meters display, with marks and audio abnormal alert info. Users can also select any 2 channels audio to output via 3.5mm socket or speakers. The audio meter pattern position can be selected from one of four corners, and you can select to display only 2 channels, 8 channels, and full 16 channels. Also scale markers, alert info, and translucent of the audio meter pattern are selectable.

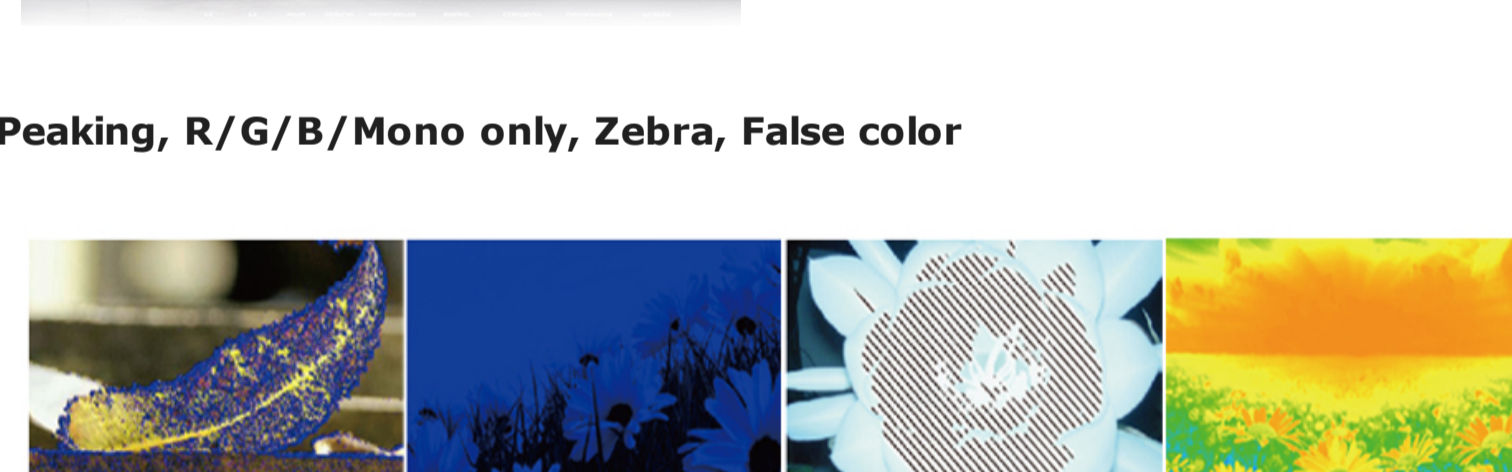


UMD and Text-Tally Display

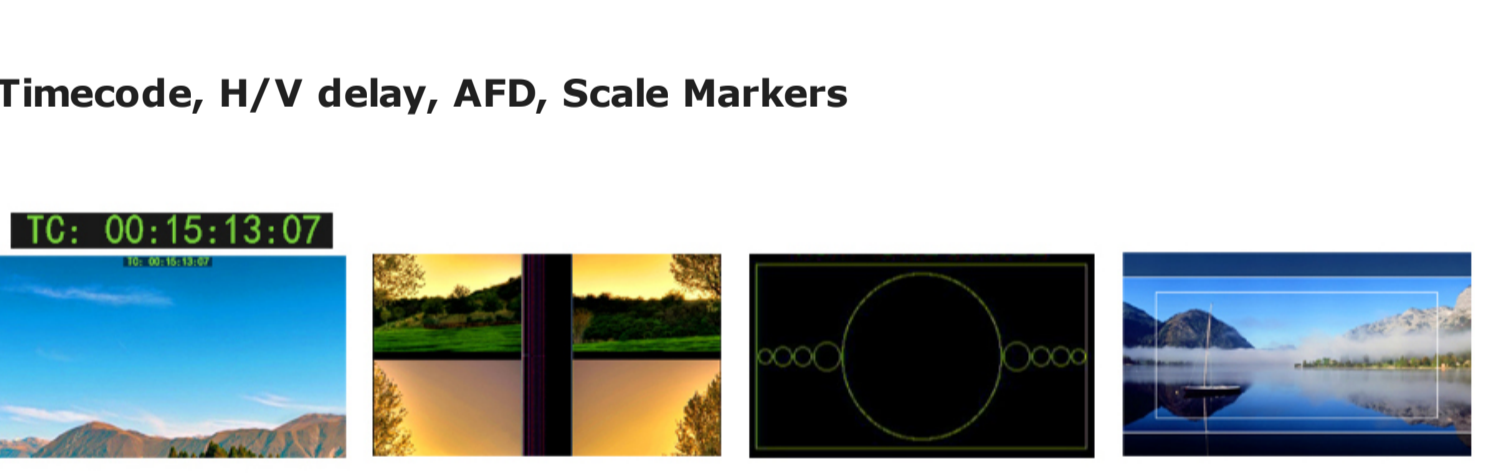
M-1093F supports UMD and Text-Tally display of TSL 3.1/4.0 protocol, with 1-126 TSL address selection, and Max 8 letters displayed. The UMD/TALLY signal inputs via RJ45(RS485) port on the rear panel of the monitor.



Peaking, R/G/B/Mono only, Zebra, False color



Timecode, H/V delay, AFD, Scale Markers



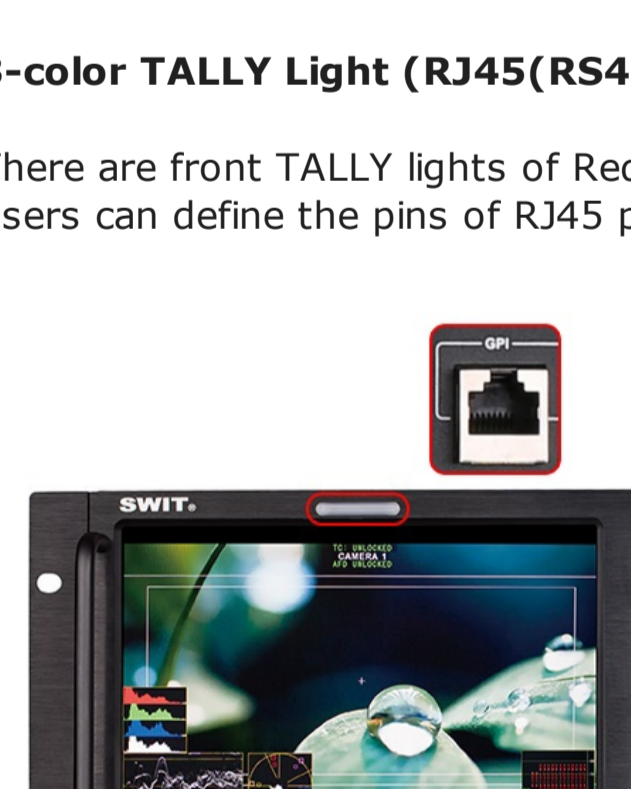
USB Firmware Upgrade

The monitor provides a standard USB port on the rear panel, for firmware upgrade. Users can download the latest firmware file to a USB stick, and directly insert into **M-1093F** monitor to upgrade, without PC connection.



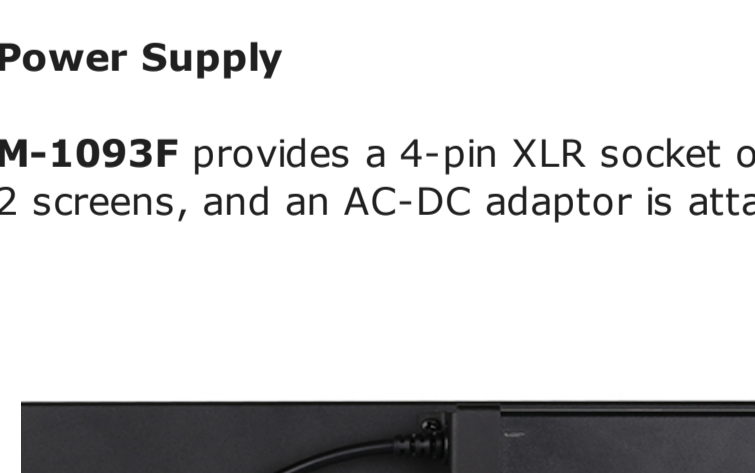
3-color TALLY Light (RJ45(RS485) input signal)

There are front TALLY lights of Red, Green and Yellow colors on each screen, and users can define the pins of RJ45 port to control the TALLY lights.



Power Supply

M-1093F provides a 4-pin XLR socket of DC 6.5-24V power input, for the both 2 screens, and an AC-DC adaptor is attached on the rear panel of the monitor.



Installation

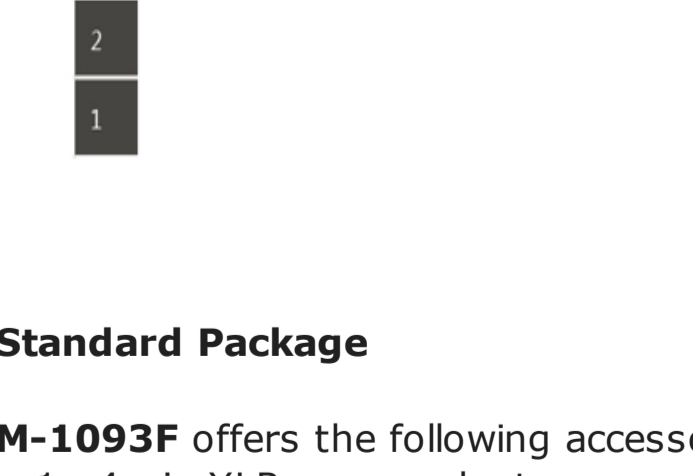
M-1093F is standard 19 $^{\circ}$ rack mount fixing, occupies 4U height. The monitor is \times 30 $^{\circ}$ up and down rotatable when installed on racks.



Standard Package

M-1093F offers the following accessories as standard package:

- 1x 4-pin XLR power adaptor
- 2x LCD protective film



Warranty Period: Two years conditional.

User Manual:

[View M-1093F User Manual](#)

