

Model: DT-X93Hx2

Description: Dual 9-inch Rack mount LCD Monitor

Features:

- ◆ 9-inch IPS LCD ×2, 1920×1200 native resolution
- ◆ 19-inch 4U rack mount, ±30° rotatable
- ◆ 2K/3G/HD/SD-SDI, HDMI, CVBS monitoring
- ◆ 2-ch Embedded audio meters with alert
- ◆ Peaking focus assist (dual color)
- ◆ TSL UMD and text TALLY display
- ◆ AFD, H/V delay, R/G/B/Mono, False color
- ◆ Zebra stripes, Peaking focus assist
- ◆ SDI timecode display
- ◆ Marker 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1
- ◆ False color, R/G/B/Mono, 100% colorbar
- ◆ TALLY light and GPI control
- ◆ USB firmware upgrade



Introductions

9-inch Full HD IPS LCD with LED backlight

The DT-X93Hx2 adopts 2× 9-inch IPS (In-Plane Switching) LCD panels, with Full HD 1920×1200 resolution and LED backlight, 1000:1 contrast. The viewing angle is Horizontal: 170° / Vertical: 170°

Input/Output Interfaces

Each LCD of DT-X93Hx2 supports:

2K/3G/HD/SD-SDI input × 2

2K/3G/HD/SD-SDI loop output × 2

HDMI 1.3 input × 1

HDMI 1.3 loop output × 1

CVBS input × 1

CVBS loop output × 1

3.5mm analog audio input × 1

3.5mm analog audio output × 1

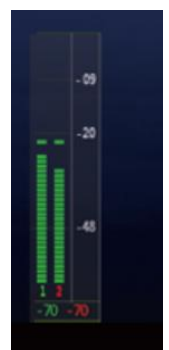
RJ45 GPI/TALLY/UMD input × 1

USB firmware upgrade × 1



Embedded audio monitoring

DT-X93Hx2 supports SDI-2ch, HDMI-2ch embedded audio meters display, and analog-2ch audio meters display, with marks and audio abnormal alert info. The audio meter pattern position can be selected from one of four corners, and scale markers, alert info, and translucent of the audio meter pattern are selectable.



UMD and Text-Tally Display

DT-X93Hx2 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



Red/Blue Peaking focus assist

R/G/B/Mono only mode

Over exposure zebra stripes

False color with color chart

Timecode, H/V delay, AFD, Scale Markers



Timecode (LTC, VITC1&2)

H/V delay

Active Format Description (AFD)

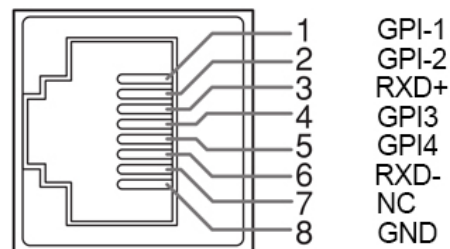
4:3, 13:9~15:9, 1.85:1, 2.35:1

GPI Interface and Control

The RJ45(RS485) port on the rear panel supports UMD control and GPI functions setting and control.

There' re 4 GPI pins and can be assign the following functions, by shorting with GND pin to enable the functions:

Red TALLY, Green TALLY, Yellow TALLY, Aspect Ratio, Scan Mode, Image Flip, Zoom Mode, Mute, Freeze Frame, Color Temperature, Timecode, Zebra Stripes, Vector scope, Audio meters, Histogram, False Color, AFD, H/V Delay, R/G/B/Mono, Scale Markers, Colorbar, UMD, Audio Alarm, Focus Assist



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 DT-X92F monitor to upgrade, without PC connection.

3-color TALLY Light

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

Power Supply

DT-X93Hx2 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

DT-X93Hx2 is standard 19" rack mount fixing, occupies 4U height. The monitor is $\pm 30^\circ$ up and down rotatable when installed on racks.



Specifications

LCD Display		
Size	9 inches x 2 screens	
Display area	191.52.x119.70mm	
Resolution	1920x1200	
Aspect ratio	16:9 (4:3 adjustable)	
Brightness	450cd/m2	
Contrast	1000:1	
Color	16.77 million colors	
Viewing angle	Horizontal: 170°Vertical: 170°	
Input (Each screen)		
BNC x2	2K/3G/HD/SD-SDI input x2	
BNC x1	Composite input	
HDMI x1	HDMI 1.3 input	
3.5mm x1	Analog audio input	
RJ45 x1	UMD, TALLY, GPI input	
USB x1	Firmware upgrade	
Output (Each screen)		
BNC x2	2K/3G/HD/SD-SDI loop output x2	
BNC x1	Composite loop output	
HDMI x1	HDMI 1.3 loop output	
3.5mm x1	SDI, HDMI, Analog audio output	
Video Format		
SDI	SMPTE 2048-2	2048x1080p (23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60)
		2048x1080i (50 / 59.94 / 60)
	SMPTE-425M	1080p (60 / 59.94 / 50)
		1080i (60 / 59.94 / 50)
SMPTE-274M	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		480i / 576i / 480p / 576p
		1080i (60 / 59.94 / 50)
		720p (60 / 59.94 / 50)
		1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
General		
Working voltage	DC 6.5V-24V	
Power consumption	36W	
Working temperature	0°C~+40°C	
Working humidity	10%~90%	
Storage temperature	-15°C~+60°C	
Storage humidity	10%~90%	
Dimensions	481×173×112mm	
Net weight (main body)	2.8kg	