

DRAFT

PAIPER

MULTI LCD CONTROL MONITOR



- ▶ **4 x 16/9 TFT LCDs**
- ▶ **4/3 & 16/9 formats**
- ▶ **4 PAL/NTSC in, 4 out**
- ▶ **4 SDI in, 4 out reclock**
- ▶ **19" rack, 3U**
- ▶ **50° Easy tilt screens**
- ▶ **Auto cool fan**
- ▶ **Screen saver function**
- ▶ **RS-232 control port**

Two high resolution and high brightness 7" 16/9 PAL / NTSC and SDI LCD screens housed in a 3U high 19" rack. The lightweight and low power consumption makes it ideal for OB vans and control rooms.

INPUTS: The image can be seen in 4/3 or 16/9 mode and there are two analogue video inputs per LCD screen, each with a passive broadcast loop through. This loop through keeps working, even when the power has been turned off. There are red, yellow and green LED "traffic tally lights" and a smart, replaceable designation strip per LCD screen. There are individual warning LEDs for no signal present.

EXCLUSIVE FEATURES: "Auto cool" fan for hot environments (adjustable temperature controlled). "Screen saver" puts rack into standby mode when no video signal present (after adjustable time). This LCD rack can be fully RS-232 controlled using a simple set of instructions or hard wired using individual RJ-45 sockets. The racks boast "easy tilt" screens with effective locking mechanisms.

SDI / HD-SDI: This rack takes two SDI inputs per screen and provides a two re-clocked SDI outputs. The existing analogue inputs can also be used. It can also be upgraded to take other digital formats.

AUDIO BARGRAPHS: This rack can be upgraded to show 4 channel audio in moving bargraphs on each screen.



SCREEN SPECIFICATIONS

Number of screens
 2/3/4 LCD screen

Aspect ratio
 16/9

Format control
 4/3, 16/9

Screen type
 TFT active matrix

Resolution
 336,960 pixels (480x234x3)

Brightness
 500 Cd/m² (NITs)

Contrast
 250:1

Backlight half life
 15,000 - 22,000hrs

Protective screen
 3mm toughened, scratch resistant glass

Viewing angles
 70° left, 70° right, 45° top, 70° bottom

Screen rotation
 25° top, 25° bottom; "Easy tilt" rotation inside body, lockable

Picture controls
 Colour, contrast, brightness, tint & sharpness

Analogue video inputs
 2 x PAL & NTSC

Analogue video outputs
 2 x broadcast high impedance loop throughs (works when power off)

Digital video inputs
 2 x SDI

Digital video outputs
 2 x SDI re-clocked

Video connectors
 4 x BNC sockets

Audio inputs
 Optional (4 channel balanced audio upgrade)

Audio outputs
 Optional (4 bar graphs on screen)

Audio connectors
 Optional (9 way D-type plug)

Tally lights
 Red, yellow & green "traffic tally LEDs"; high brightness

Designation strip
 50x10mm white card + clear plastic cover in metal holder

Remote
 1 x RJ-45 socket for hard wire connections eg tally, A/B input etc



4 LCD SYSTEM FRONT VIEW



4 LCD SYSTEM REAR VIEW



3 LCD SYSTEM FRONT VIEW



2 LCD SYSTEM FRONT VIEW

COMMON SPECIFICATIONS

Power supply
 110-240V 50/60Hz IEC socket 12V 5A PSU (mounts on rear of rack)

Power consumption
 12VDC, 150W; XLR-4 plug

Housing
 Black painted aluminium, black zinc coated mild steel

Dimensions
 19" EIA standard rack, 3U (132mm), 90mm deep, 4 mounting holes

Weight
 6,5 kg including PSU

Pixel perfection
 It is unlikely, but there may be up to 3 imperfect pixels per screen

Auto cool mode
 Temperature controlled fan for hot environments, adjustable 30-50°C.

Screen save mode
 Standby mode when no video signals on screens; adjustable time delay

Signal supervisor
 "Analogue video loss" and "SDI signal present" LEDs

RS-232 remote
 9 way D-type plug for controlling complete rack by a PC