

PANORAMAdtv, the video division of Wohler Technologies Inc.

# PANORAMAdtv MON4-2W/HR

High-Resolution Quad 4.3" Wide Screen LCD Video Monitor

September 13, 2006



Also available as a 3 x 4.3" model with identical features and benefits

## Features:

- 4 x 4.3" high-resolution widescreen tilting LCD video monitors
- HD-SDI/SD-SDI (auto-sensing) inputs with buffered outputs
- Automatic or manual 4:3/16:9 aspect selection
- Resolution (HxV): 480 pixels x RGB x 272 Lines
- Contrast ratio 400:1 typical
- Wide 160° horizontal and vertical viewing angle
- Dot pitch - 0.066mm x 0.198mm
- 16 million colors (8 bit color X RGB)
- LED backlight with rugged backlight construction
- Low power consumption - only 18 watts
- Triple color independent tally

The MON4-2W/HR enables high-resolution video monitoring in 2U of rack space.

Each monitor is a true 16:9 aspect 4.3" widescreen high-resolution LCD for monitoring SDI and HD-SDI signals using a Direct Digital Drive® signal processing path.

Each LCD can display standard or high-definition NTSC or PAL digital video signals and automatically detects and accommodates these formats for display.

Each display features recessed front panel trim pot controls for contrast and brightness, and a set of three color LEDs for tally indication.

Displays can be individually turned on or off with front panel toggle switch.

The MON4-2W/HR unit is ideal for video monitoring in mobile trucks, news and transmission control rooms, duplication, and postproduction applications. Built and rigorously tested in the USA, the MON4-2W/HR is backed by both a warranty and a satisfaction guarantee return policy.



Video Monitoring

Audio Monitoring

Alarm Systems

Level Metering

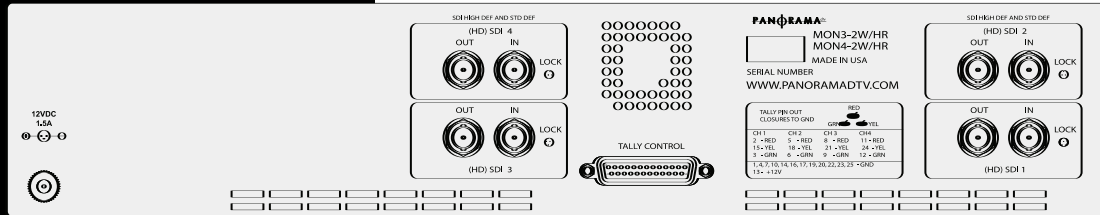
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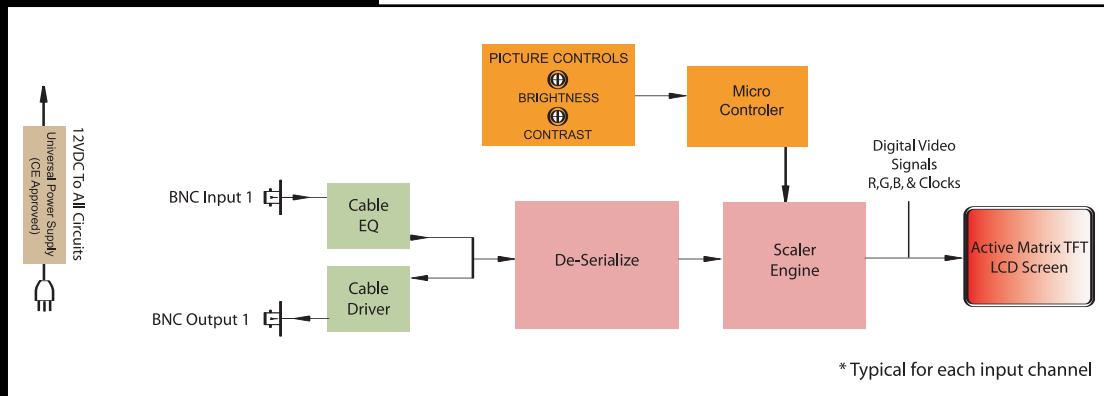
# PANORAMA<sup>dtv</sup> MON4-2W/HR

High-Resolution Quad 4.3" Wide Screen LCD Video Monitor

Rear Panel:



System Diagram:



## Specifications

Signal Inputs	75 ohm BNC (SMPTE 259M, SMPTE 292M autodetect)
Screen size	4.3" (109.2 mm) diagonal
Screen type	High-resolution TFT LCD, Transmissive
Display modes	NTSC/PAL auto-sensing
Aspect ratio	HD-SDI = 16:9 aspect ratio, SD-SDI = 4:3 or 16:9
LCD active area	95.04 mm X 53.856 mm
Picture controls	Brightness & Contrast
Resolution (H x V)	480 Pixels x RGB x 272 Lines
Pixel Pitch	0.198 mm X 0.198 mm
Pixel Response Time	30 ms rising (typ.); 30 ms falling (typ.)
Color configuration	RGB Vertical Stripes
Viewing angle	top=80°, bottom=80°, left=80°, right=80°
Contrast ratio	400 (typ.)
White Luminance	180 (typ.) NITs (cd/m)
LCD Backlight Life	10,000 hours (avg.) to specified reduction
Chassis type	2U, 19" rack mounting (EIA-310D)
Dimensions (HxWxD)	3.35 x 19 x 5.6" (85 x 482.6 x 142.2 mm)
Weight	7 lbs (3.175 kg)
Power consumption	18 W
Power supply	100 to 240VAC, 50 to 60Hz, universal input CE & UL approved internal power supply