


 PANORAMA^{dtv} the Video Division of Wohler

HDMon-190™ 19-INCH HIGH DEFINITION MONITOR



Actual screen image
shown with input resolution
of 1920 x 1200 RGB pixels

FEATURES

- ADVANCED LCD TECHNOLOGY FOR SIGNIFICANTLY LONGER SCREEN LIFE – TYPICALLY 30,000 HOUR MTBF (24/7)
- INDUSTRY LEADING 2-YEAR WARRANTY
- ACCEPTS 1080p 24, 25, 30, 50 AND 60
- FIELD REPLACEABLE BACKLIGHT
- 161.5-SQUARE INCHES ACTIVE VIEWING (16.07" X 10.05") (408.22mm X 255.15mm)
- INCLUDES ALL INPUTS – NO OPTIONAL CARDS REQUIRED
- PORTABLE OR RACK MOUNT OPERATION
- 10/100 BaseT ETHERNET NETWORK CONTROL
- DYNAMIC USER ADJUSTABLE IP
- TRIPLE POWER SYSTEM AC/DC/BATTERY
- INTEGRAL AC POWER SUPPLY – NO "BRICKS"
- 16:9 OR 4:3 ASPECT RATIOS

Wohler Solutions: Unsurpassed Quality, Service, and Value Delivered by the Leader in Broadcast Monitoring Applications

The HDMon-190 monitor is an ideal solution for users viewing both High Definition and Standard Definition images. By employing a 1440 x 900 TFT/LCD screen, a perfect medium is reached in the scaling and interpolation process, providing superb imaging regardless of video format or resolution.

An integrated 10/100BaseT Ethernet connection allows remote configuration via the included Windows®-based GUI software application. Users may also choose to integrate the HDMon-190 with Wohler's new line of modular, configurable audio monitors.

These production grade monitors accept dual HD/SD-SDI inputs as well as analog component and composite signals. Also included are DVI and analog RGBHV inputs for computers and CGI images up to WUXGA resolution (1920 x 1200 RGB pixels).

The HDMon-190 has all of the must-have features of a broadcast monitor including superb motion plus advanced, user adjustable scaling and interpolation for interlaced images. In addition, it includes standard CRT functions such as channel isolate, overscan, underscan and power saving auto off, as well as automatic and manual color temperature. Lightweight and sleek in design, the HDMon-190 can easily convert from a portable to a rack mount solution.



GENERAL/PHYSICAL SPECIFICATIONS

Power Requirements	100 V to 240 VAC ± 10%, 50/60Hz or 12 to 24 VDC
Battery Powered (Optional)	11-19 VDC, V-Mount
Power Consumption	Approximate 65 Watts
Dimensions (Basic) (W x H x D)	17 x 12.22 x 7.16 (inch), 431.8 x 310.4 x 181.7 (mm)
Weight Approximate	8.5 lbs / 3.86 kg
Space Required	7 rack units of EIA-19 standard equipment rack
Supplied Accessories	AC power cord, remote PC application, rack mount adapter
Optional Accessories	Battery adapter

TECHNICAL SPECIFICATIONS

Inputs (Connector)	HD/SD-SDI x 2 (BNC) 270 Mbs - 1.48 Gbs, Digital Video/PC (DVI-I), Analog PC-RGBHV (HD-15), Analog Component (Y-Pr-Pb BNC), Composite NTSC/PAL Auto Sense (BNC), S-Video (Y/C 4-pin Mini DIN), Ethernet (10/100 BaseT RJ-45), RS-232 (DB-9)
Display Type	Active color matrix amorphous Silicon TFT
Screen Treatments	Anti-glare 4H hardness
Active Viewing Area	16.07" (H) x 10.05" (V), 408.22mm(H) x 255.15mm(V)
Resolution	1440 x RGB x 900 (3.89 megapixel)
Pixel Pitch	0.284 H&V per RGB pixel cluster
Pixel Response	5 ms Off-On-Off (Black to White to Black)
Luminance	300 cd/m ²
Contrast	800:1
Viewing Angle	160° H 160° V measured edge-to-edge
Chromacity	72% of 1953 color gamut within CIE-1931 color space
Gamma	1.0 / 1.6 / 2.2 selectable
Color Temperature	D55, D65, D80, D93, user defined
Outputs	Buffered HD/SD-SDI x 2 (BNC)
Environmental	RoHS Compliant

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BENEFITS

- **More Screen in Less Space** – The HDMon-190 delivers the same viewable screen as a 24-inch CRT (16:9) display. While the display size is the same, the HDMon-190 occupies a meager 7 standard EIA rack units compared to 10RU for a 24-inch CRT. Furthermore, the HDMon-190 provides on-board menu control for all functions in a sleek space-efficient package.
- **Low Weight** – Typically 50 pounds lighter than a 24-inch CRT. Using Panorama monitors in an OB-Van can save thousands of pounds gross weight, resulting in significant savings for interstate transportation tolls and fuel expenditures.
- **Lower Lifetime Maintenance Cost** – When compared to a 24-inch CRT, most components of the HDMon-190 have an estimated 3 year MTBF. The only expected maintenance cost after this period is typically less than \$200.00 for a backlight replacement, which is easily performed in the field.
- **Accurate Color Reproduction** – The HDMon-190 is a completely digital device, and unlike CRTs, uses the end-to-end precision of CCIR-601/656 digital values for chrominance and luminance while producing the same 72% CIE color gamut as a CRT.
- **Network Ready** – HDMon-190 has a standard RJ-45 connector for 10/100BaseT Ethernet operation. Full remote control and set-up functions can be accessed via an included Windows® based application or Wohler's advanced function modular audio monitor station.

*Specifications and features subject to change. 11/07



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