16 channel monitor HS-7041

HS-7041 can provide maximum 16 channel HDTV display on a single display. Monitoring of multiple channel image contents available. Contributing to save space and cost of HDTV monitor.

- Display size selectable between 1/16, 1/4, 1/1 and mixed each
- HD/SD mixed display available
- underscan available
- Input signal format auto detection
- Overlay display of input signal status, error, audio level and arbitrary character available
- Utility software for setting/manual operation attached
- Color of frame can be changed to previously setting color by external tally signal.
- Redundant power supply

**Specifications**

- **Input/Output signals**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Reference input**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Vertical signal**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Display frame**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Audio output**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Display frame mask**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Frame size**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **External interface**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **General specifications**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Power consumption**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Operating temperature range**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

- **Humidity range**
  - Input: composite video, S-video, Y/C
  - Output: composite video, S-video, Y/C

For SUB studios and the relay cars

Because 16-screen splitter can offer hybrid display of HD-SDI and D-SDI, saving of space and power can be done.

**MONITOR LINE UP 2004**

**Features**

- Status display area
- Error display area
- Audio level display
- Character display area
- Frame

**Sample of display**

- divided
- divided
- divided
- divided
- divided mixed
- divided mixed
- divided
- divided

**MONITOR LINE UP 2004**

*For help with installation, please contact us.*

T. 818-846-7722  F. 818-846-7799

www.astro-systems.com

Monitor Line up 2004-05 05/31/2004
**HS/SD Supported LCD MONITOR**

A lightweight portable series HD/SD liquid-crystal monitor suitable for monitoring at remote broadcasting and location sites as well as inside studios. Input signal supports 23 kinds of HDTV and DTV image formats. Power can be supplied from a camera battery. This monitor allows image checking at locations where machines are difficult to accommodate. A wide range of functions includes Brightness, Contrast, and Chroma-Level adjusting as well as Marker display. Employs a new liquid crystal, realizing high-brightness, high-contrast, and provides a wide field of vision. Ease of operation is achieved with renovated operation switches.

### Front Panel Nomenclature
- Power Switch / LED
- Lock Switch / LED
- Liquid-Crystal Display
- TALLY 1
- TALLY 2
- 1/4-20UNC Screw Hole Mount
- MAG Switch
- MARKER Switch
- MDJU Switch
- BRIGHT Switch
- CONTRAST Switch
- input switch
- CHROMA Switch
- PB Switch
- Pr Switch
- Adjustment Dial

### Substantial High-Function Applicable for All Scenes

**High-brightness wide field of vision liquid crystal adopted**

Employs new liquid crystal, achieving high-brightness, high-contrast, and a wide field of vision. Field of vision angle: horizontal 170° and vertical 170° allows versatile control. (except for DM-3005A)

**Choice of display / adjustment functions**

Installed brightness, contrast, chroma, monochrome filter, Y-gamma, same size indicator / marker indicator functions.

**Supports HD/SD Multi-Format**

HDTV offers various formats ranging from 1080p-64 to 720p at 60Hz. Conforming to all formats, the monitor offers wide coverage without any limitations because of camera or production environment. In addition, supports SDTV format and is compatible with conventional production environments.

**Auto-Tracking of Input Signals**

Complex settings are not required because the monitor supports auto-tracking of all input signals and distinguishes frame rates of 1/1000 and 1/125 automatically.

### Easy-to-use Up-Front Switch

One-touch operation with up-front switch is possible to select input channel, same size display, monochrome, blue only, and marker display / not-display.

### DC power supply offers power saving light weight / thin construction

Power can be supplied from a camera battery. The monitor allows image checking at locations where machines are difficult to accommodate. Successfully achieved with L-size camera balance using a compact / thin / lightweight monitor (except for CM-3051/15 inch).
HD/SD 6 inch Liquid-Crystal Waveform Monitor  WM-3004-M

A top grade liquid-crystal waveform monitor is found in the WM-3004 series. Multiple functions like image confirmation monitoring, waveform monitoring and vector scopeing are provided for in a single unit. A demanding environment is eliminated because it accepts full HD format WM-3004-HD and SDTV (525i and 625i) input signals while power is being supplied from camera batteries. This equipment is optimal for monitoring signals during relay, at location sites and inside studios.

Substantial High-Function Applicable for All Scenes

Multi-Functional from Wave Patterns to Audio Confirmation

Equipped with various functions, essential to conform to multi-functional HDTV images viewed at all angles.

A single monitor plays the role of multiple monitors.

Power consumption is as little as 24W when HD input is used, and as little as 14W when SD input is used. This reduces power consumption, and facilitates the monitoring of long hours.

Multi-Functional from Wave Patterns to Audio Confirmation

Power consumption is as little as 24W when HD input is used, and as little as 14W when SD input is used. This reduces power consumption, and facilitates the monitoring of long hours.

Power consumption is as little as 24W when HD input is used, and as little as 14W when SD input is used. This reduces power consumption, and facilitates the monitoring of long hours.

6 inch High-Brightness
Adapts Wide Liquid-Crystal Field of Vision

6.4 inch High-Brightness / Adapts Wide Liquid-Crystal Field of Vision, enables to view the screen from right above. Power-saving design and compact size is achieved by adopting power supply from camera batteries.

Auto-Tracing of Input Signals

No bothersome settings are required as the monitor supports auto-tracing of all input signals and distinguishes frame rates of 1/1000 and 1/1001 automatically.

HD/SD Multi-Format Supported

HDTV offers various formats ranging from 1080i9, 54 to 720p(60i). Conforms to all formats, the monitor offers wide coverage without any limitations imposed by camera or production environment. Also supports SDTV format providing compatibility with conventional production environments (WM-3004-M).

Front Panel Nomenclature

<table>
<thead>
<tr>
<th>Power Switch / LED</th>
<th>TALLY 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lock Switch / LED</td>
<td>TALLY 2</td>
</tr>
<tr>
<td>Mode Switch</td>
<td>FREEZE Switch</td>
</tr>
<tr>
<td>Adjustment Dial</td>
<td>INPUT Switch</td>
</tr>
<tr>
<td>Headphone Jack</td>
<td>DISPLAY Switch</td>
</tr>
<tr>
<td>Liquid Crystal Display</td>
<td>OVERLAY Switch</td>
</tr>
</tbody>
</table>

Nomenclature

Front

- Power Switch
- Freeze Switch
- Lock Switch / LED
- Tally 1
- Tally 2
- Input Switch
- Display Switch
- Overlay Switch

Rear

- Power Supply Connector
- Camera Connector:
  - SD Power Input Terminal
  - HD Power Input Terminal
  - SD Video Input Terminal
  - HD Video Input Terminal
- Y IN
- SD Video Input Terminal
- Camera Connector
- SD Power Input Terminal
- HD Power Input Terminal
- Camera Connector
- SD Video Input Terminal
- HD Video Input Terminal
  - Camera Connector
- Camera Connector
- SD Power Input Terminal
- HD Power Input Terminal
- Camera Connector
- SD Video Input Terminal
- HD Video Input Terminal

Specifications

- Display Type: 6.4 inch HDTV
- Resolution: 1366 x 768 (16:9)
- Active Area: 114 x 64 (16:9)
- Color System: YPbPr / Y/C (YPbPr / Y/C)
- Color Space: 10 bit (9-bit) / 12 bit (10-bit) / 12 bit (9-bit)
- Color System: YPbPr / Y/C (YPbPr / Y/C)
- Color Space: 10 bit (9-bit) / 12 bit (10-bit) / 12 bit (9-bit)
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- Color Space: 10 bit (9-bit) / 12 bit (10-bit) / 12 bit (9-bit)
### Specifications

<table>
<thead>
<tr>
<th></th>
<th>DM-3005A</th>
<th>DM-3008</th>
<th>DM-3015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display size</strong></td>
<td>6 Inch</td>
<td>8 Inch</td>
<td>15 Inch</td>
</tr>
<tr>
<td><strong>Input format</strong></td>
<td>HDTV</td>
<td>HDTV</td>
<td>HDTV</td>
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<tr>
<td><strong>Input signal</strong></td>
<td>SD (60i)</td>
<td>SD (60i)</td>
<td>SD (60i)</td>
</tr>
<tr>
<td><strong>Output signal</strong></td>
<td>SD (60i)</td>
<td>SD (60i)</td>
<td>SD (60i)</td>
</tr>
<tr>
<td><strong>Specifications</strong></td>
<td>LCD panel</td>
<td>LCD panel</td>
<td>LCD panel</td>
</tr>
</tbody>
</table>

**General specifications**

- **Voltage:**
  - DC12V (15V-18V) (camera connected)
  - DC15V (15V-18V) (panel connected)
  - DC18V (15V-18V) (camera connected)

- **Power consumption:**
  - 1W (MAC)
  - 18W (MAC)
  - 24W (MAC)

- **Operating temperature range:**
  - 0°C to 40°C

- **Operating humidity range:**
  - 0% to 90%

- **Dimensions:**
  - 300 W x 433 D x 435 H mm
  - 78 x 435 H mm
  - 78 x 435 H mm

- **Weight:**
  - Approx. 1.8 kg
  - Approx. 1.8 kg
  - Approx. 3.9 kg

### Optional Support List

- VESA mounting bracket
- Dual rack mounting bracket
- Single rack mounting bracket
- Tripod
- Hard carrying case
- Shade hood

### HDTV Format List

<table>
<thead>
<tr>
<th>Format</th>
<th>Audio Format</th>
<th>Video Format</th>
<th>Audio Format</th>
<th>Video Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIA 443A</td>
<td>384/576</td>
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<tr>
<td>EIA 443B</td>
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<td>720/576</td>
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<tr>
<td>EIA 443C</td>
<td>720/576</td>
<td>720/576</td>
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</tr>
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### Optional

- VESA mounting bracket
- Dual rack mounting bracket
- Tripod
- Hard carrying case
- Shade hood

*Note: Images of supported features are shown in the bottom right corner of the page.*