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About the DJ7HDPRO 7” LCD Production Monitor

The Digital Juice DJ7HDPRO 7” LCD Monitor is a high-quality HD/SD portable production monitor that combines compact size, light weight and affordability with a range of professional inputs and features. This monitor provides intuitive onscreen controls, high brightness, low power consumption, stable performance and a crisp 1024 x 600 resolution so that you can keep your shots sharp, perfectly framed, and in focus. Designed to be used as an external video display in a production environment, this HD monitor unit allows you to step back from the camera to frame and capture the action in comfort without having to look through the camera’s built-in viewfinder.

With connectivity through HDMI input as well as Component (YPbPr)/Composite Video/Audio inputs and outputs, the DJ7HDPRO monitor can easily be attached to a wide variety of cameras and integrated into any production workflow or situation. Since the monitor is equipped with a standard NP-F type battery plate, you can use your existing camera batteries as well as the supplied Li-Ion rechargeable battery. An AC power adapter is included for when you need to plug in on longer shoots and a mini hotshoe ballhead stand allows you to attach and adjust the monitor directly on your camera if desired. A sun shade makes using the monitor outside on location much easier and a Tally connection kit helps you activate the built-in Tally light when shooting in a multi-camera situation. To protect your monitor in transport or storage, it comes enveloped in a custom-made lightweight soft neoprene cover.

Key Product Features

- HDMI, Component YPbPr, Composite and Audio Input
- Component YPbPr, Composite and Audio Outputs
- Digital signal processing
- Professional TFT LED LCD screen
- Canon 5D Mark II Camera Mode
- Peaking focus assist (peaking filter)
- Image magnification/scaling & image flip functions
- Picture in picture (PIP)
- Line field blanking
- Tally indicator
- Front earphone hole
- Scan mode with standard, underscan & overscan options
- Screen markers with off, 96%, 93%, 90%, 85% options
What’s Included

• 7” DJ7HDPRO LCD Monitor (1)
• BNC cable (2)
• HDMI cable (3)
• AC Power adapter (4)
• 3 BNC to RCA adapters (5)
• Sun Shade with 2 fasteners (6)
• Mini-hotshoe ballhead stand (7)
• 1 7.4v 6000mAh Li-ion rechargeable battery (8)
• Battery charger unit (9)
• Tally Connection Kit (10)
• Custom-made neoprene monitor cover (11)
• Allen key (not shown)
Front Panel View

12 Speaker
13 Power Indicator Light
14 Volume up adjustment, or when in OSD menu, to confirm and indicate a value increase
15 Volume down adjustment, or when in OSD menu, to confirm and indicate a value decrease
16 Image pause key, or in OSD menu, for adjustment selection (down)
17 Image magnification key, or when in OSD menu, for adjustment selection (up). This button is also used to activate the Peaking Focus Assist feature.
18 MENU key
19 MODE key/Input signal selection
20 Image ratio adjustment key
21 Earphone jack (Audio Output)
22 TALLY light/indicator

Signal Formats

<table>
<thead>
<tr>
<th>Video Signal</th>
<th>Signal Formats Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composite video</td>
<td>PAL/NTSC auto recognize</td>
</tr>
<tr>
<td>Component (Y/Pb/Pr)</td>
<td>1080/ 24p/ 24psf/ 25p/ 30p/ 50i/ 60i/ 50p/ 60p; 720/ 50p, 720/ 60p; 480i, 480p; 576i, 576p</td>
</tr>
<tr>
<td>HDMI</td>
<td>1080/ 24p/ 24psf/ 25p/ 30p/ 50i/ 60i/ 50p/ 60p; 720/ 50p, 720/ 60p; 480i, 480p; 576i, 576p</td>
</tr>
</tbody>
</table>
The Tally Connection Kit included with your monitor consists of a small adapter card which fits into the Tally port on the rear panel of the monitor. A USB port on the end of the card can be used to link the monitor to a Tally light switch controller when shooting in a multi-camera production environment. The signal received controls when the Tally light on the front of the monitor will be lit, indicating to the talent and to the cameraman that the camera attached to the monitor is live.
### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Size</td>
<td>8.1” x 5.6” x 2.4”/205x143x60mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.4 lbs/635g (monitor alone in neoprene cover); 2 lbs/907g (monitor with battery attached); 3.6 lbs/1.6kg (monitor plus all accessories)</td>
</tr>
<tr>
<td>Panel Size</td>
<td>7” TFT LCD</td>
</tr>
<tr>
<td>Dot Resolution</td>
<td>1024×600 pixel</td>
</tr>
<tr>
<td>Dot pitch</td>
<td>0.05mm(w) x 0.15mm(h)</td>
</tr>
<tr>
<td>Brightness</td>
<td>250cd/m²</td>
</tr>
<tr>
<td>Contrast</td>
<td>700:1</td>
</tr>
<tr>
<td>Display ratio</td>
<td>16:9/4:3 (adjustable)</td>
</tr>
<tr>
<td>Backlight</td>
<td>LED</td>
</tr>
<tr>
<td>Response Time</td>
<td>10ms</td>
</tr>
<tr>
<td>Viewing Angle</td>
<td>75°/ 75° (L/R), 70°/ 75° (U/D)</td>
</tr>
<tr>
<td>Signal input</td>
<td>HDMI, Composite, Component YPbPr, Audio</td>
</tr>
<tr>
<td>Signal output</td>
<td>Composite, Component YPbPr, Audio</td>
</tr>
<tr>
<td>Input formats supported</td>
<td>HDMI &amp; YPbPr: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p</td>
</tr>
<tr>
<td>Color System</td>
<td>PAL/ NTSC</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>DC 7V-12V</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>≤10W</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10°C~55°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20°C~65°C</td>
</tr>
<tr>
<td>Power Adapter Plug Type</td>
<td>US</td>
</tr>
<tr>
<td>Power Input</td>
<td>100~240V; 50/60Hz</td>
</tr>
<tr>
<td>Power Output</td>
<td>12V, 1500mA</td>
</tr>
</tbody>
</table>

### CAUTION

- Please use the provided power supply or a compatible rechargeable 7.4v 6000mAh Li-ion battery to power this monitor.

- **DO NOT** expose this product to direct sunlight, heat or humid conditions.

- Avoid hard or heavy impacts or dropping of the monitor.

- **DO NOT** use chemical solutions to clean the monitor. Use only a clean soft cloth.

- This product has no adjustable components. **DO NOT** take apart or attempt to repair this unit.
Press the MENU key to enter the OSD menu and then use the up and down arrow keys to choose from DISPLAY, SOUND, SYSTEM or SCAN POSITION ADJUSTMENT menu options in main menu. Press the left or right arrow keys to confirm your selection and then choose your desired adjustment option by pressing the up or down arrow keys. Next, use the left or right arrow keys to adjust the value or select an adjustment option. Press the MENU key to exit.

1. Display Menu *(this setting has a 2-page menu)*

- **Contrast**: To adjust the brightest to darkest ratio of the image
- **Brightness**: To adjust the image’s brightness
- **Saturation**: To adjust the color saturation in the image
- **Sharpness**: To adjust the depth and detail in the image
- **Color Temp**: Use this adjustment to alter the color temperature of the image to one of the following presets: User, 6500K, 7300K, 9300K
- **Picture Mode**: Preset image brightness, softness and contrast effects settings —choose from User-defined, Vivid, Standard, Soft options
- **Aspect Ratio**: To choose the aspect ratio choose from Full Screen 16:9, 4:3, Panorama, Zoom 1 or Zoom 2
- **Tint**: In composite video mode, this is used to adjust the NTSC color signal
2. Sound Menu

**Volume:** To adjust the volume

**Balance:** To adjust 2-channel audio (L & R)

3. System Settings Menu

*(this setting has a 3-page menu)*

**Language:** Choose from Chinese or English

**PIP:** This setting is used to display two input signal pictures at the same time. You can adjust picture position, size, input source and PBP/POP options.

**SDI:** HD/SDI switch - SDI option is not available on this monitor model

**Screen Marker:** Image framing marker options include OFF, 96%, 93%, 90% & 85%

**Scan Mode:** Choose from standard, overscan or underscan

**Effect:** To select OSD display effects
3. System Settings Menu (continued)

**Menu Transparency:** To adjust transparency of the Menu

**Menu Timer:** This timer setting controls the time the menu pop-up screen will stay on screen without any user input before disappearing

**Check Field:** Changes the color saturation of images—choose from OFF, Mono, Red, Green, Blue

**H/V Delay:** Image Up/Down, Left/Right flip

**Image Flip:** Line field blanking option switch

**Camera:** When shooting with Canon 5D II or similar, this setting optimizes the image so it is not deformed or distorted, not black, and has no delay

**Dot by Dot:** Video point to point display to see the image more clearly

**Reset:** Resets system parameters and settings to original factory settings

4. Scan Adjust Menu

**Horizontal Position:** To adjust the image display left and right

**Vertical Position:** To adjust the image display up and down

**Horizontal Size:** To adjust the image stretch left and right

**Vertical Size:** To adjust the image stretch up and down
Digital Juice, Inc. warrants all Digital Juice Gear DJ7HDPRO LED Monitors and accessories purchased new by original owner to be free from defects in the material and workmanship under normal use for a period of 12 months from the date of purchase. Warranty is void when misuse or neglect is the cause.

No other express warranty or guaranty, except as mentioned above, given by any person or entity with respect to the Digital Juice Gear DJ7HDPRO LED Monitors shall bind Digital Juice, Inc. This warranty supersedes all other warranties expressed or implied. NO IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLY TO THE DIGITAL JUICE GEAR DJ7HDPRO LED MONITORS AND ARE HEREBY DISCLAIMED.

In the event of a possible warranty claim, the defective products must be returned to Digital Juice, Inc. If proven to be defective upon inspection, they will be exchanged for new or comparable rebuilt products, as determined by Digital Juice, Inc. and shipped back to the original purchaser. All shipping costs are the responsibility of the customer. Warranty replacement shall not extend the original warranty period of the defective Digital Juice Gear DJ7HDPRO LED Monitors or accessories.

The customer’s remedies with respect to defective Digital Juice Gear DJ7HDPRO LED Monitors or accessories shall be exclusively limited to the repair or replacement remedy as above provided and in no event shall Digital Juice, Inc. be liable for loss of profits, revenues, savings, inconvenience, associated costs, expense for equipment or service, use of capital, facilities, services, storage charges, damage to property, or any other special, incidental or consequential damages caused by the use or misuse of, or inability to use, the Digital Juice Gear DJ7HDPRO LED Monitors or accessories, regardless of the legal theory on which the claim is based, and even if Digital Juice, Inc. has been advised of such damages. In no event shall recovery of any kind against Digital Juice, Inc. be greater in amount than the purchase price of the Digital Juice product sold by Digital Juice, Inc. and causing the alleged damage.
Without limiting the foregoing, the purchaser assumes all risk and liability for loss, damage or injury to persons, animals or property arising out of use or misuse of, or inability to use the Digital Juice Gear DJ7HDPRO LED Monitors or accessories. Digital Juice, Inc. is not liable for third party claims. This limited warranty shall not extend to anyone other than the original purchaser of the Digital Juice product, or the person for whom it was purchased as a gift, and states your exclusive remedy. In no event shall Digital Juice, Inc. be liable for incidental or consequential damages to the full extent such may be disclaimed by law.

Unless otherwise noted this warranty agreement is the only warranty agreement between the parties. This agreement states the limits and association of risk between the two parties. By use of the Digital Juice Gear DJ7HDPRO LED Monitors or accessories the customer acknowledges understanding of this warranty and agreement and binding to the terms contained within.
Troubleshooting

For any problems using the unit, first consult these troubleshooting tips.

No image displayed on screen

Possible Reason #1: Video cable off or connected incorrectly
Possible Solution #1: Check the quality of the cable and make sure it is connected to the correct input interface.

Possible Reason #2: No video signal input
Possible Solution #2: Check the signal source and output interface connection to see if it is correct or not.

Possible Reason #3: Monitor is not be powered on
Possible Solution #3: Check to make sure the power source is connected properly and that the power switch is in the “ON” position

Possible Reason #4: Supply voltage instability
Possible Solution #4: The power adapter is loose or the battery is poorly connected with the battery plate. Tighten the connections and try again.

Image/Color displayed on screen is abnormal

Possible Reason #1: Video cable has poor contact
Possible Solution #1: Change the video cable and try again

Possible Reason #2: Video signal interference from external environment
Possible Solution #2: Move to another location and try again

Possible Reason #3: Video input signal amplitude is too low
Possible Solution #3: Check the signal source video output or change signal source and try again

Possible Reason #4: Color saturation adjustment in menu is set incorrectly
Possible Solution #4: Enter menu to check color or reset to factory settings

Possible Reason #5: The B/W setting is set to monochrome or black & white
Possible Solution #5: Press the B/W button to return the display back to color

Possible Reason #6: Image deformation
Possible Solution #6: Reset the image ratio

Speaker is not playing sound

Possible Reason #1: Audio cable is not connected or is connected improperly
Possible Solution #1: Confirm connection with the corresponding input and try again.

Possible Reason #2: Volume adjustment is turned down all the way
Possible Solution #2: Reset the volume control so that it is adjusted to a proper position.

Possible Reason #3: HDMI cable is poorly connected
Possible Solution #3: Check the quality of the HDMI cable and HDMI cable connection, or change the cable and try again.

Possible Reason #4: No sound after switching video signal
Possible Solution #4: This monitor accepts an audio signal only through Audio IN or HDMI inputs