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Desview R6

Desview R6 5.5-inch Camera Field Monitor User Manual

Model: R6

1. Introduction

Thank you for choosing the Desview R6 5.5-inch Camera Field Monitor. This manual provides essential information for the proper setup, operation, and maintenance of your device. Please read it thoroughly before use to ensure optimal performance and longevity of the product.
The Desview R6 is a high-brightness, full HD touch screen field monitor designed for professional videography and photography. It features advanced monitoring tools, 4K HDMI input/output, and 3D LUT support to assist in achieving precise image control.

2. Package Contents

Please verify that all items are present in your package:

- Desview R6 Camera Field Monitor
- Mini HDMI Cable
- Micro HDMI Cable
- USB Drive (for LUTs)
- User Manual
- Monitor Mount

3. Product Overview and Features

The Desview R6 monitor offers a range of features to enhance your shooting experience:

- **5.5-inch Full HD Touch Screen:** 1920x1080 resolution with a 16:9 aspect ratio and 178° viewing angles.
- **High Brightness:** 2800 nits for clear visibility even in strong sunlight. Features adaptive brightness adjustment via a light sensor.
- **Advanced Monitoring Tools:** Includes Waveform, Histogram, Vectorscope, False Color, Zebra, Peaking Filter, Safe Area, Center Mark, Grid Lines, and more for precise exposure and focus control.
- **4K HDMI Input & Output:** Supports 4K HDMI signals with loop-out functionality to connect to other monitors.
- **3D LUT Support:** Load up to 32 groups of LUT files via the included USB drive for color calibration.

- **Flexible Power Solution:** Compatible with standard NP-F series batteries and E6 batteries (not included), or a DC 12V adapter (not included) for continuous power.
- **Audio Monitoring:** Integrated 3.5mm stereo headphone jack.

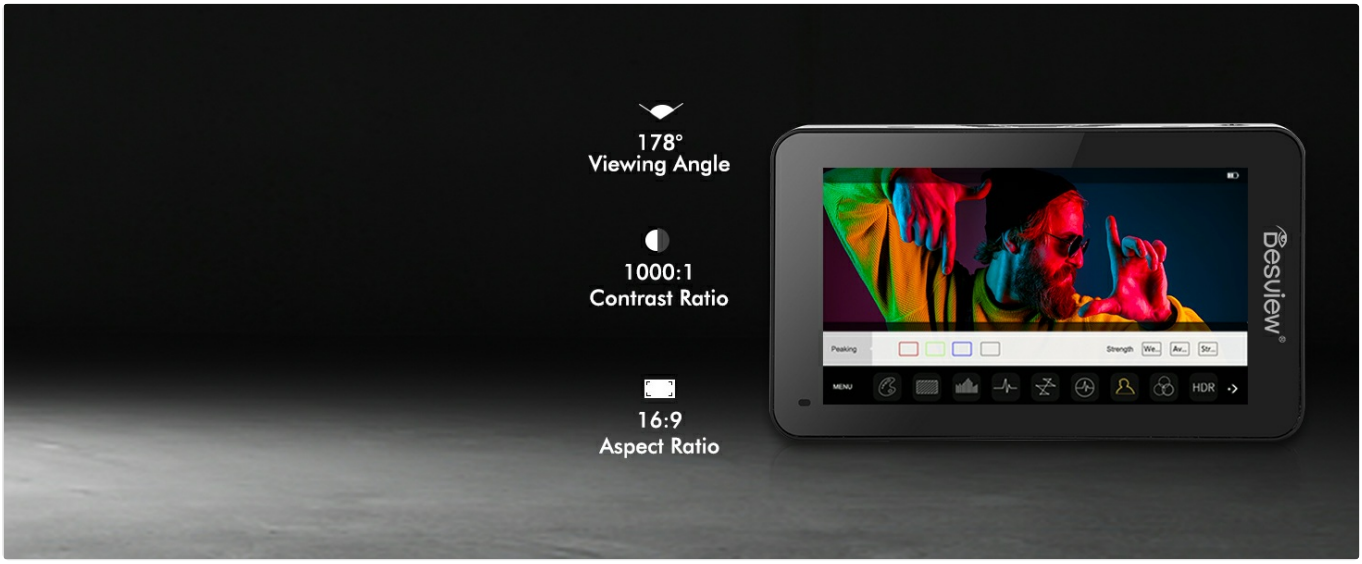

Image: Comparison of 2800 nits high brightness versus general brightness, highlighting the monitor's outdoor visibility. The light sensor for automatic brightness adjustment is also shown.



Image: Display of the monitor's full function assist features, including SDR/HDR comparison, Rec.709 calibration, and icons representing advanced monitoring tools.



Image: Detailed diagram illustrating the physical dimensions and port layout of the Desview R6 monitor, including HDMI, DC, USB, and mounting points.

4. Setup

Follow these steps to set up your Desview R6 monitor:

1. **Mounting the Monitor:** Attach the included monitor mount to the 1/4-inch mounting holes on the bottom or side of the monitor. Secure it to your camera rig or stand.
2. **Power Connection:**
    - **Battery:** Insert a compatible NP-F series or E6 battery (not included) into the battery slot on the rear of the monitor.
    - **DC Adapter:** Connect a 12V DC power adapter (not included) to the 'DC IN' port on the side of the monitor for continuous power.
3. **HDMI Connection:** Connect your camera or video source to the 'HDMI In' port using the provided Mini HDMI or Micro HDMI cable. If you need to loop out the signal to another monitor, connect a second HDMI cable from the 'HDMI Out' port.
4. **Power On:** Press and hold the power button (usually located on the side or top) until the screen illuminates.

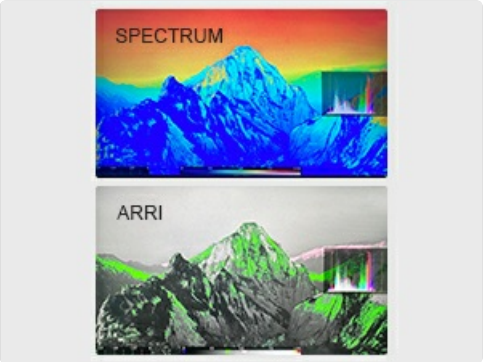

Image: Illustration of the monitor's flexible power options, including the use of a dummy battery adapter and DC output.

5. Operating Instructions

The Desview R6 features an intuitive touch screen interface for easy navigation and control.

5.1 Basic Operation

- **Touch Screen Navigation:** Tap icons or swipe on the screen to access menus and adjust settings.
- **Menu Access:** Typically, a swipe from the edge or a specific icon will bring up the main menu.
- **Brightness Adjustment:** The monitor features a light sensor for automatic brightness adjustment. Manual adjustment is also available through the menu.

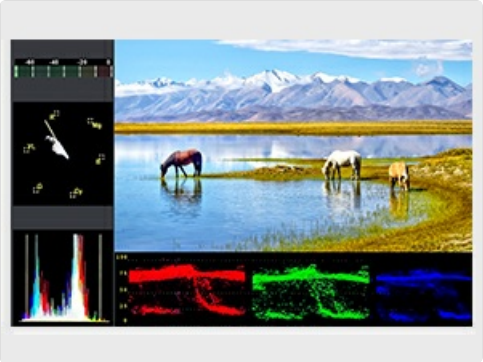

Image: A user interacting with the touch screen interface of the Desview R6 monitor, demonstrating menu navigation and tool selection.

5.2 Advanced Monitoring Tools

Access these tools from the main menu to fine-tune your camera settings:

- **Waveform:** Displays the luminance and chrominance levels of your video signal.
- **Vectorscope:** Shows the color information of your image, useful for color grading and white balance.
- **Histogram:** Visualizes the tonal distribution of your image, helping to prevent clipping in highlights and shadows.
- **False Color:** Assigns false colors to different exposure levels, making it easy to identify overexposed or underexposed areas.
- **Zebra:** Highlights areas of the image that exceed a set exposure threshold, indicating potential overexposure.
- **Peaking Filter:** Highlights sharp edges in the image, assisting with manual focus.

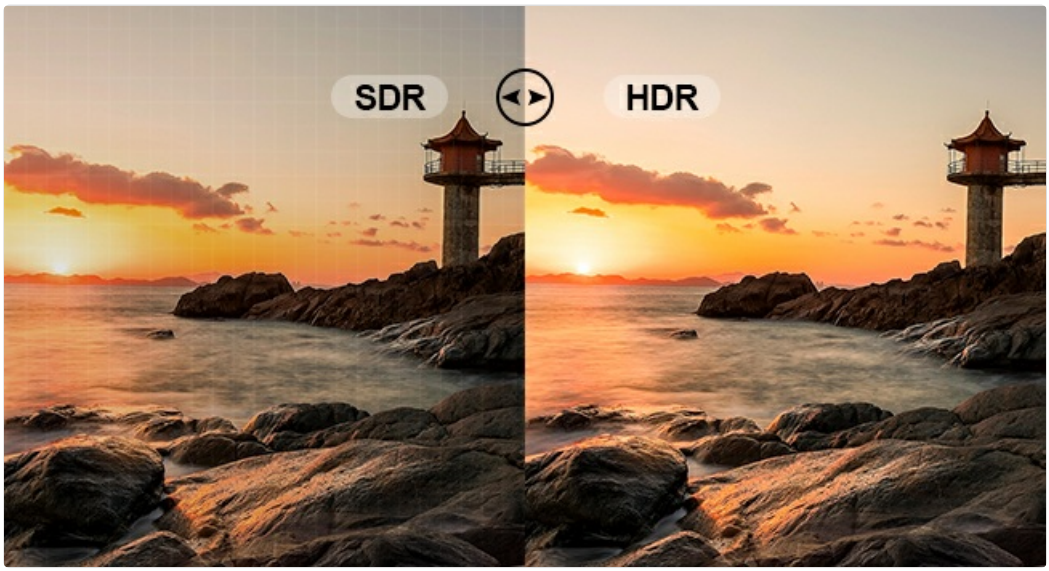

Image: The monitor screen showing a live video feed with active waveform, vectorscope, and histogram displays for detailed video analysis.

5.3 3D LUT Management

To load custom 3D LUTs:

1. Copy your .cube or .3DL LUT files to the included USB drive.
2. Insert the USB drive into the monitor's USB port.
3. Navigate to the 'LUT Config' section in the monitor's menu.
4. Select 'Load LUT' and choose the desired LUT file from the USB drive. The monitor supports up to 32 groups of LUTs.



Image: The monitor displaying a scene with various 3D LUTs applied, illustrating the color customization capabilities. The USB port for loading LUTs is visible.

6. Maintenance

Proper care ensures the longevity and performance of your Desview R6 monitor.

- **Cleaning the Screen:** Use a soft, lint-free cloth specifically designed for electronics screens. Do not use harsh chemicals or abrasive materials. Gently wipe the screen to remove dust and fingerprints.
- **General Cleaning:** Use a dry, soft cloth to clean the monitor's body. Avoid getting moisture into ports or openings.
- **Battery Care:** If using batteries, ensure they are charged regularly and stored in a cool, dry place when not in use. Remove batteries if the monitor will not be used for an extended period.
- **Storage:** Store the monitor in a protective case or bag to prevent scratches and damage, especially to the screen. Avoid extreme temperatures and high humidity.

7. Troubleshooting

If you encounter issues with your Desview R6 monitor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Monitor does not power on.	Low or dead battery; DC adapter not connected or faulty.	Ensure battery is charged or replaced. Verify DC adapter is properly connected and functional.
No video signal displayed.	HDMI cable loose or faulty; incorrect input selected; camera output issue.	Check HDMI cable connections. Ensure the correct input source is selected on the monitor. Verify camera is outputting a signal.
Screen flickering or distorted image.	Faulty HDMI cable; signal incompatibility; power instability.	Try a different HDMI cable. Ensure camera output resolution and frame rate are supported. Check power source stability.
Cannot load 3D LUTs.	Incorrect file format; USB drive issue; too many LUTs already loaded.	Ensure LUT files are .cube or .3DL format. Check USB drive for errors. Delete unused LUTs if storage is full.

Problem	Possible Cause	Solution
Touch screen unresponsive.	Temporary software glitch; screen dirty.	Restart the monitor. Clean the screen surface.

8. Specifications

Feature	Detail
Model Number	R6
Screen Size	5.5 inches
Resolution	1920 x 1080 (Full HD)
Brightness	2800 cd/m² (Nits)
Contrast Ratio	1000:1
Aspect Ratio	16:9
Viewing Angle	178°
HDMI Input/Output	4K HDMI In & Loop-out
Audio Output	3.5mm Stereo Headphone Jack
Power Input	DC 12V, NP-F series battery, E6 battery
LUT Support	3D LUT (up to 32 groups via USB)
Item Weight	8.5 ounces (approx. 0.24 kg)
Package Dimensions	7.3 x 4.7 x 3 inches
Manufacturer	Desview
Date First Available	May 18, 2021

9. Warranty and Support

Desview products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship under normal use. The specific terms and duration of your warranty may vary by region and retailer.

For technical support, warranty claims, or service inquiries, please refer to the contact information provided with your purchase or visit the official Desview website. Please have your product model number (R6) and purchase details ready when contacting support.

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