

Product Overview

The F700 is a 7" on-camera monitor designed for previewing footage during on-location shooting. It features high brightness, low power consumption, and stable performance, making it ideal for filmmaking and photography. The touchscreen automatically adjusts its brightness for clear visibility in bright sunlight, eliminating the need for a sunhood. The monitor includes several advanced features to help you efficiently monitor and achieve optimal results.

Package Contents



Monitor ×1



Monitor Mount ×1



Battery + TYPE-C charging cable



HDMI to
HDMI Cable
×1



USB-A to
USB-C Cable
×1



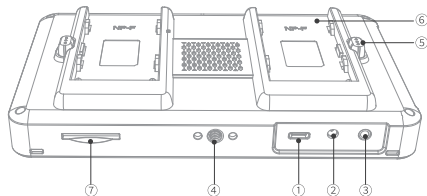
HDMI to Micro
HDMI Cable
×1



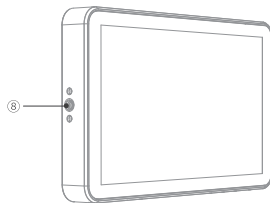
HDMI to Mini
HDMI Cable
×1

Product Illustration

EN

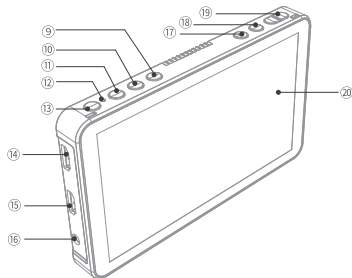


- ① USB Type C Input
- ② DC Output
- ③ 3.5mm Headphone Jack
- ④ 1/4" Thread
- ⑤ Battery Lock
- ⑥ Battery Plate
- ⑦ SD Card Slot



- ⑧ 1/4" Thread

Product Illustration



- ⑨ " **F3** " Button: Shortcut Button
- ⑩ " **F2** " Button: Shortcut Button
- ⑪ " **F1** " Button: Shortcut Button
- ⑫ Indicator: Red (Connected but not turned on)
Orange (Turned on without signal)
Green (Turned on with signal)
- ⑬ "  " Button: Press and hold to switch on/off;
short-press to enable/disable the touchscreen
- ⑭ " **HDMI OUT** " HDMI Output
- ⑮ " **HDMI IN** " HDMI Input
- ⑯ " **DC IN 12V** " DC Input
- ⑰ "  " Return Button

Product Illustration

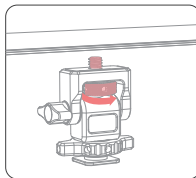
⑱ " **SET MENU** " Button: Non-Menu Mode: Long-press to enter the main-menu, short-press to enter the shortcut menu;
Main-Menu Mode: Short-press to enter the sub-menu;
Sub-Menu Mode: Short-press to adjust values.

⑲ " **+ -** " Button: Setting adjustment

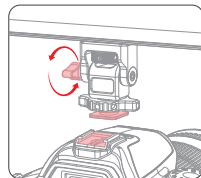
⑳ Touchscreen

Installation Guide

Installing the Monitor Mount



① Screw the monitor mount into the monitor through the bottom 1/4" thread, then tighten it securely using the thumb screw.

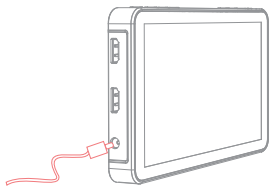


② Attach the monitor mount to your camera's hot shoe. Use the side knob for tilt angle adjustment.

Power Supply

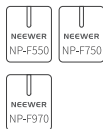
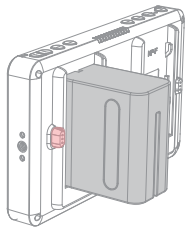
1. Using the 12V Power Adapter

※ The power adapter is sold separately and is not included.



2. Using Batteries

Insert batteries into the battery plates



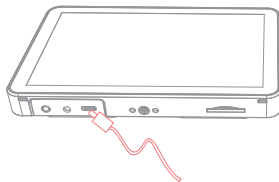
Compatible Batteries

※ Press the battery release tab to remove batteries

Power Supply

EN

3. The monitor can be powered by fast chargers or power banks with a 5V/3A or higher output rating.



Introduction to functions

Exposure Assistance ^	
	False Color
	Zebra Pattern
	Histogram
	Waveform
	Vectorscope
	Analysis
	HDR

Introduction to functions

EN

- **False Color: OFF, SPECTRUM, ARRI**

Helps you adjust the camera exposure and easily observe and calculate the video brightness levels.

- **Zebra Pattern: OFF, IRE**

Set Zebra Pattern

- **Histogram: OFF, brightness histogram, RGB histogram, chart position settings**

Determines if an image has enough detail for effective correction.

- **Waveform: OFF, Y, YUV, RGB waveform, chart position settings**

An assistant chart that precisely displays and monitors the video brightness levels.

- **Vectorscope: OFF, ON, chart position settings**

Displays color distribution using the distance from pixels to the center.

- **Analysis: ON**

The waveform, vectorscope, histogram, and sound volume columns will be displayed on the edge for better image analysis.

- **HDR: OFF, ON**

Set HDR.

Introduction to functions

Focus Assistant	
	Monochrome
	Focus Peaking
	Center Mark
	Safety Marker
	Ratio Marker
	Grids
	Sound Volume Columns

- **Monochrome: OFF, red, green, blue, and gray**
Select colors as required.

- **Focus Peaking: OFF, red, green, blue, white, intensity**
Colors the image frame for better subject focusing.

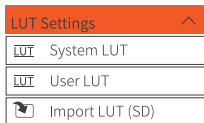
- **Center Mark: OFF, ON, red, green, blue, white, gray**
Displays the Center Mark (a cross mark).

- **Safety Marker: OFF, ON, red, green, blue, white, gray, 80%, 85%, 90%, 93%, 95%**
Helps crop videos and images during post-production.

- **Ratio Marker: Transparency, red, green, blue, white, gray, OFF, 4:3, 16:10, 16:9, 1.85:1, 2.35:1, 2.40:1**
Sets the Ratio Marker.

- **Grids: Red, green, blue, white, gray, OFF, 2×2, 3×3, 4×4, 5×5, 6×6, 7×7, 8×8**
Facilitates compositions and enhances image artistry.

- **Sound Volume Columns**
Displays the sound volumes in green, yellow, and red for real-time audio monitoring.



- **System LUTs: ON, OFF**

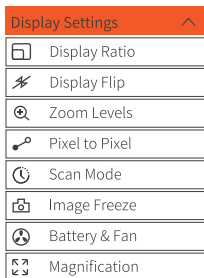
After importing the 3D LUT file, the name of the imported LUT is added to the LUT options for selection.

- **User LUTs: OFF, ON**

Set LUT formats.

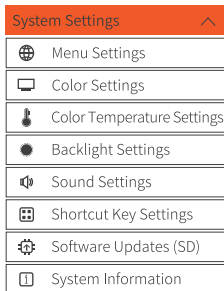
- **Import LUT (SD): Discover SD**

Cube format LUTs can be easily imported via an SD card.



- **Display Ratio: Auto, 4:3, 16:10, 16:9, 5:4, 1.85:1, 2.35:1**
Adjusts the aspect ratio.
- **Display Flip: Vertical and horizontal flips**
Enables image mirroring.
- **Zoom Level: OFF, zoom 1x, zoom 3x**
Adjusts the image zoom levels.
- **Pixel to pixel: OFF, ON**
View the source image at 1:1 ratio to capture finer detail.
- **Scan Mode: Standard, overscan**
Image display ratios exported from compatible cameras.
- **Image Freeze: OFF, ON**
Captures the current still image.
- **Battery & Fan: Battery alerts, fan speeds**
Set battery alerts and fan speeds as required.
- **Magnification: OFF, 1.25x, 1.33x, 1.5x, 1.79x, 2.0x mag**
For the magnification of images.

Introduction to functions



- **Menu Settings:** Language & menu screen time limits
Sets language and menu screen time limits as needed.
- **Color Settings:** Brightness, sharpness, contrast, saturation, hue
Sets colors as required.
- **Color Temperature Settings:** 5600K, 6500K, 9300K, custom: saturation of red, green, and blue
Set color temperature as needed.
- **Backlight Settings:** Standard, high, auto: ON/OFF, custom
Sets the backlight brightness as required.

Introduction to functions

- **Sound Settings:** ON, mute, volume
Adjusts audio volumes.
- **Shortcut Settings:** F1, F2, F3
Sets shortcuts according to your preferences
- **Software Updates (SD)**
Set and view updating status.
- **System Information**
View system status.

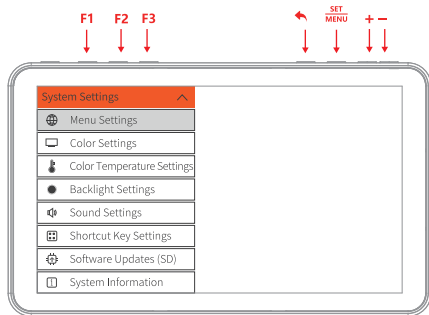
Shortcuts

-  **False color:** OFF, SPECTRUM, ARRI
-  **Zebra Pattern:** OFF, IRE
-  **Histogram:** OFF, brightness histogram, RGB histogram, chart position settings
-  **Focus Peaking:** OFF, intensity, red, green, blue, white
-  **LUT:** OFF/ON
-  **Reset:** reset
-  **Sound Volume Columns:** OFF/ON

1. Setting Instructions

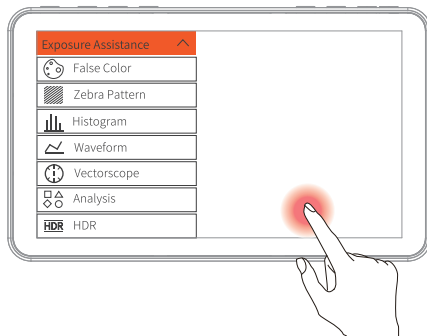
Taking language setting as an example, the operation steps are as follows:

(1) Button Operation



- ① Long press the " **SET MENU** " key to enter the main menu.
- ② Short press the " **+ -** " key to select System Settings, then press the " **SET MENU** " key to enter the submenu.
- ③ Short press the " **+ -** " key to select Menu Settings, then press the " **SET MENU** " key to enter Menu Settings.
- ④ Short press the " **+ -** " keys again and select the specific language based on the parameters on the right side.

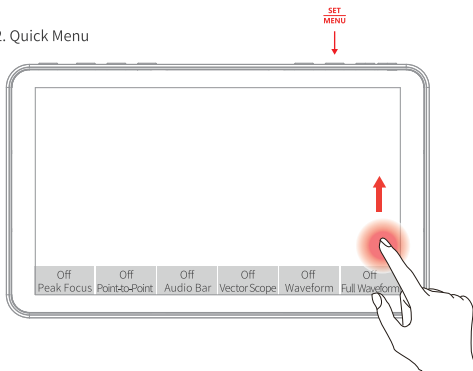
(2) Touch Operation



- ① Double-tap the screen to bring up the main menu.
- ② Select System Settings.
- ③ Select Menu Settings.
- ④ Select the specific language based on the parameters on the right side.

How to Use

2. Quick Menu



- ① Short press the **"MENU"** key or swipe up from the bottom of the screen to bring up the quick menu.
- ② Tap on the quick menu to complete quick settings.
- ③ Double tap on the empty area on either side of the quick menu to customize it.

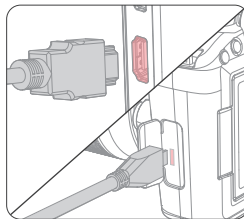


How to Use

3. Slide up and down on the left side of the screen to adjust the backlight brightness; slide up and down on the right side of the screen to adjust the volume.

(Zoom the display in and out with two fingers)

4. Connecting the Camera



- ① Connect the monitor to the camera using an HDMI cable.
- ② Turn on the camera's HDMI output.

5. LUT Import

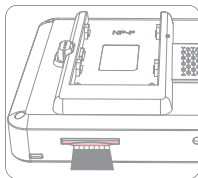
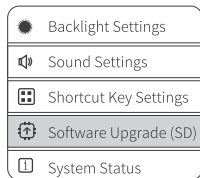
Insert the SD card into the monitor's SD card slot.

The monitor will automatically read the folders and the ".cube" files on the SD card and display them.

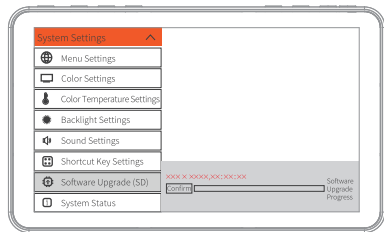
Mark the ".cube" file that needs to be imported in the same directory, then select it and click the "Import" icon in the lower right corner to complete the file import operation (supporting up to 60 groups, automatically overwritten after exceeding 60 groups).

Firmware Upgrade

Use a computer browser to search for the website '<https://neewer.com/pages/download-product-firmware>' and download the latest firmware bin file for the F700 monitor. Copy the file to the root directory of an SD card.



Turn on the monitor, go to system menu > software upgrade, insert SD card, click confirm, wait for progress bar to complete for successful upgrade.



Note: Please format your SD card before use if its storage capacity is less than 32GB.

Troubleshooting

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1. Black and white or monochrome image

- ① Check if the saturation, brightness, and contrast levels are correctly adjusted.
- ② Check if the "monochrome" mode on the monitor is displaying black or any other monochrome image.

2. No image after powering on

- ① Check if the signal connection is fully established and the cables are securely connected.
- ② Ensure that a standard adapter is used to connect to the monitor. If using battery power, check if the battery is fully charged.

3. No image display after connecting the camera

Check if the camera has HDMI output enabled and if the HDMI resolution is set to match the resolution of the monitor.

Battery Warning

1. Be sure to observe that no unauthorized disassembly, modification or attempt to repair the battery is allowed. Any unauthorized operation may result in serious safety accidents such as battery leakage, overheating, fire or explosion.
2. Be sure to use the provided or certified chargers to prevent overcharging and shortcuts.
3. If unusual charging speed and indicator flashing occur, please stop charging and contact our customer service immediately.
4. Keep away from inflammable and explosive items.

Safety Precautions

1. Do not use in wet or humid environments.
2. Avoid dropping or subjecting the product to strong impacts to prevent damage.
3. Do not disassemble or modify the product without prior agreement as this may invalidate any warranty claim.
4. When using a stand, ensure it is securely locked to prevent the product from falling.
5. Clean the display screen with a soft cloth; do not use any liquids.
6. If not using the product for an extended period, store it in a well-ventilated and dry environment.

Specifications

Model	F700
Resolution	1920 × 1080 pixels
Pixel Pitch	0.0804 (H) × 0.0804 (W) (mm)

Specifications

Aspect Ratio	16 : 9
Brightness	2000nit±10% (measured brightness)
Contrast Ratio	1000 : 1
Viewing Angle	>160°H/160°V; 80°/80°(L/R) 80°/80°(U/D)
Input	HDMI
Output	HDMI, 3.5mm headphone output
Power Input/Output	
5.5mm DC Input Interface	DC: 12~26V (cannot be used as a dummy battery when low voltage output)
2.5mm DC Output Interface	Actual Range: DC8.4V (can be used to connect a dummy battery power cord to the camera through the DC power output interface, significantly extending the camera's battery life)
Type C Input Interface	Supports 5V/3A or higher fast chargers and fast charging power banks (3A output) for powering the monitor.
HDMI Input Format Support	480i, 576i, 480p, 576p, 720p(60/59.94/50/30/29.97/25/24/23.98) , 1080i(60/59.94/50) , 1080p(60/59.94/50/30/29.97/25/24/24sF/23.98/23.98sF) , 3840×2160 (30/25/24HZ) , 4096×2160 (25/24HZ)
Total Power Consumption	≤22W (without DC 8.4V output)
Dimensions	175×107×25mm
Operating Temperature	-20°C~55°C
Storage Temperature	-30°C~65°C