



RVF480HD2 4.8" On-Camera Portable LCD Monitor for professional HDV and HDSLR cameras.

RVF480HD2 is a specially designed portable LCD monitor for professional HDV and HDSLR cameras. Its small size, multifunction and wide viewing angle make it more easy for outdoor shooting.

An essential for high-end users and a terminator of HD shooting focus offset
Professional format converter and monitor



As a standard transmission format of broadcast television digital signal, SDI had been adopted by the TV industry all over the world. No matter the filming creating, nor the post editing, all process with SDI for the HD & SD audio / video signals. Most professional HD cameras and hi-end HDV recode and transfer HD video signals by this format as well.



RVF480HD2 monitor adopt high-end image processing chip, professional LCD panel with 800x480 resolution, high brightness and high contrast characteristics. Also the wide viewing angle (H.160°/V.160°) could achieve multi-angle picture watching and avoid image grey reversal. Our advanced models RVF480HD / RVF480HD2 also provides SDI input and output functions, which could identify HD & SD signals automatically.



It is more suitable for matching HD cameras by 16:9 display ratio, wide viewing angle, smaller volume and weight.

The transmission distance of SDI signal could be up to 100m even longer, and it is more secure and reliable by adopting Standard BNC connectors for connection. Therefore, the professional monitors must have SDI input / output functions.



All the BNC connectors what we used are from the world famous Japanese brand "GANARE" to ensure the transmission quality of SDI signal.

Housing material is ABS+PC. This material obtains the strength and high temperature resistant characteristics of the metal material, and more suited to the more demanding environment. Short-circuit protection function provides security guarantee for users personally changes on external power supply. Once the anode and cathode have wrong connection, internal protection function will start running in order to avoid hurting the monitor. For professional LCD monitors, such as picture quality, grey scale, restore and dynamic index, which not only require advance image processing technology but also high requirement for LCD panels. Therefore, not all LCD panels can be used to manufacturing professional monitors.

The wide voltage range (DC 6V~36V) design, not only suitable for the battery voltage scope (7.2V~14.4V) of video cameras, but also available for DC 24V film shooting.



Normally HDMI format used for HD video signal in consumer field for its short transmission distance (theoretical value is only 20m), meanwhile, HDMI input / output connector can not be connected with cables closely, so they're seldom used in the broadcast TV field.

In order to avoid affecting the shooting from bad connection While use HDMI format for HD signal transmission (actually this problem happens frequently), therefore, we specially designed HDMI lock to ensure the safety of signal transmission.



High-end /Image processing system+professional lcd panel

Compact and portable design greatly reduced the cameraman's load strength.

RVF480 series LCD monitors equip with an innovative accessory -- Linear zoom trigger, which can save the focusing time and optimize the focusing effect. Put it on the follow focus of DV or HDSLR camera. Press the (ZOOM) key for the first time, the central area of the screen displays the original picture as 1:1 ratio; Press the key for the second time, the object edge in the picture is enhanced with white line, then adjust the follow focus and check the enhanced white line to realize the assistant focus effect; Press the key for the third time to come back to the original picture.

Power Supply Method



Working together with HDV cameras, RVF480HD could fix different brand 7.2V battery plate.



Working together with professional cameras, to get power from camera battery through a D-tap power cable.



AC-DC adaptor.

Easy and multifunction operating way preserves professional users habit.

Novel and utility are our consistent pursuit.

Considerate design, professional quality, innovative accessories



Foldable sunhood



HDMI plug lock



Linear zoom trigger



Battery plate

Specification:

Screen Size	4.8"
Resolution	800 (H) ×480 (V)
Dot Pitch	0.130 (H) ×0.130 (V) mm
Aspect Ratio	16:9 / 4:3 Switchable
Brightness	500cd/m ²
Contrast	800:1
Response Time	10 ms
Viewing Angle	H:160° / V:160°
Voltage Input	DC12V
Voltage Range	DC 6~36V
Power Consumption	≤ 9W
Monitor Size	L 147.3×H 100.8×D 48.4 mm
Weight	≤ 0.5kg

Inputs & Functions:

Model Function		RVF480HD	RVF480HD2	Remark
Video input	Composite	•	•	BNC×1 Line 1.0 Vp-p±3 dB
	HD/SD-SDI	•	•	BNC X1line
	HDMI	•	•	HDMI x 1Line
SDI Embedded Audio		•	•	PPM / UV
Video output	Composite	•	•	BNC×1 Line Loop through 75Ω automatic termination
	HD/SD-SDI	•	•	BNC X1line
	HDMI	•	•	HDMI x 1Line
HDMI to HD-SDI			•	Build-in Converter

RVF480HD2 Functions Table:

Signal Function	SDI1	HDMI	COMPOSITE (CVBS)
Marks : Safety mark, Center mark, Title frame	•	•	•
Scaling : 16:9, 4:3, LETTER BOX, Built-in scan, Overscan	•	•	•
Pixel to Pixel	•	•	•
Color temperature 9300/6500 , adjustable	•	•	•
4 channels audio meter display	•		
Red/Green two colors TALLY display (Software)	•	•	•
Monochrome (BLUE ONLY)	•	•	•
Remark	Embedded converter : HDMI - SDI		

Mechanical Drawing:

