

# D12

## 11.6" 3G-SDI Full HD Monitor w/ IPS Panel QUICKSTART GUIDE



Checked by

### What's included

- 1 x D12 Monitor w/ Table Stand
- 1 x AC Adapter

### CONDITIONS OF WARRANTY SERVICE

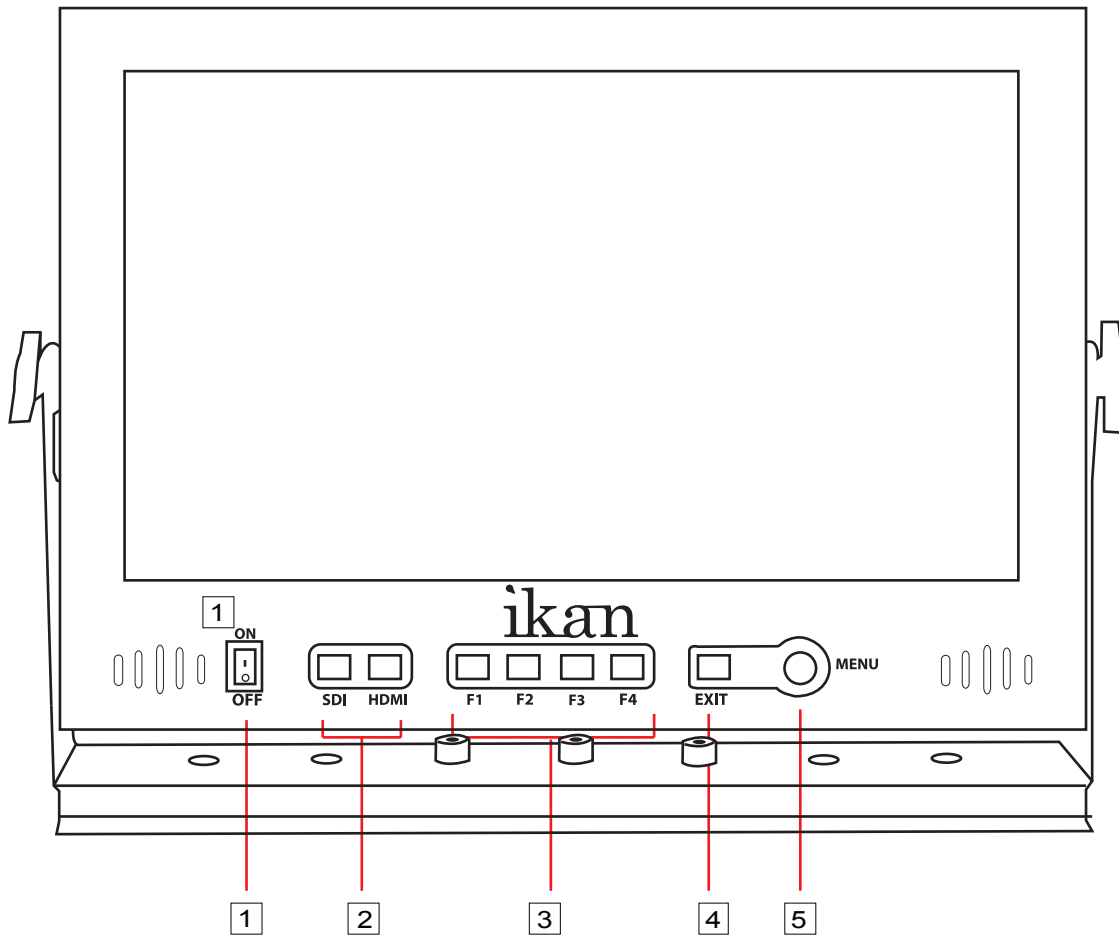
- Free service for one year from the day of purchase if the problem is caused by manufacturing errors.
- The components and maintenance service fee will be charged if the warranty period has expired.

Free Service will not be Provided in the Following Situations: (\* Even if the product is still within the warranty period.)

- Damage caused by abuse or misuse, dismantling, or changes to the product not made by the company.
- Damage caused by natural disaster, abnormal voltage, and environmental factors etc.

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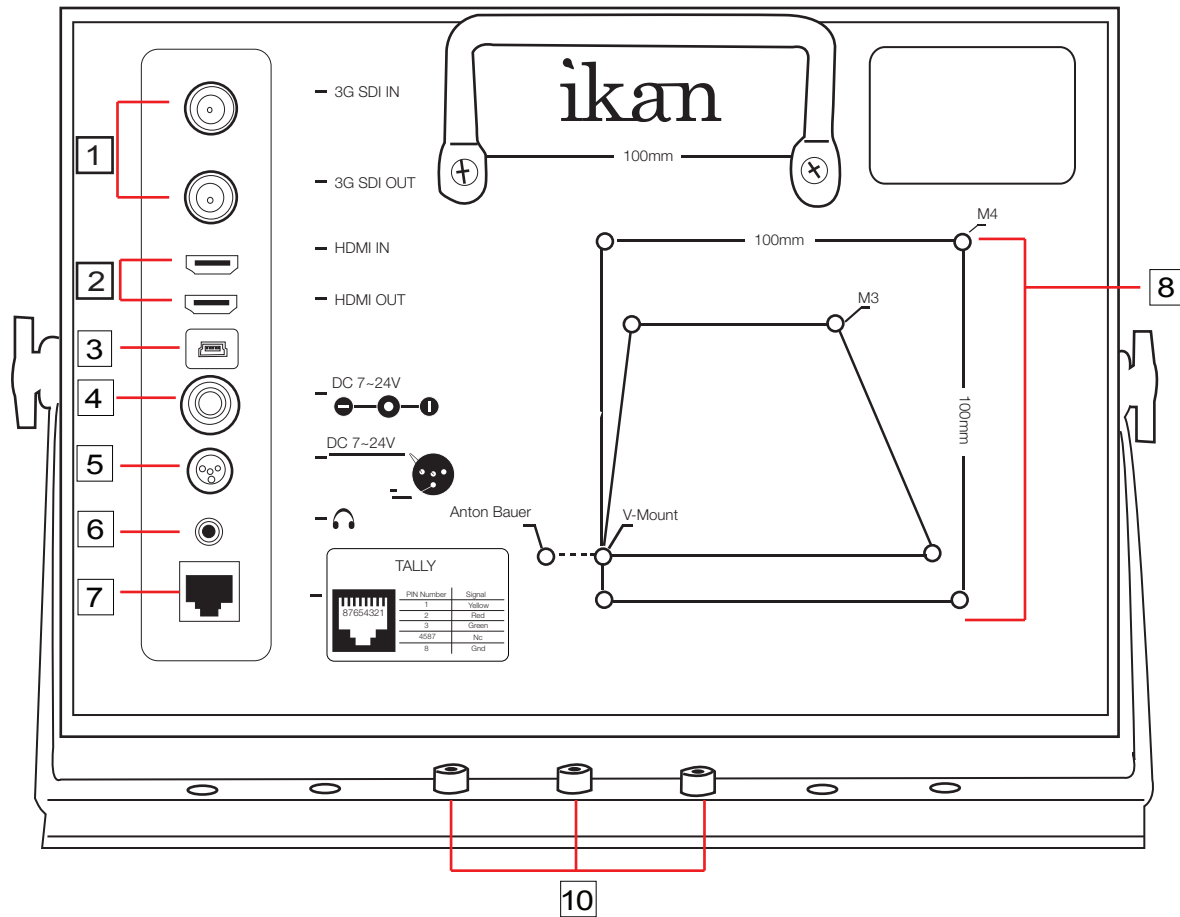


- 1 Power Switch**  
Power ON / OFF
- 2 Input Selection Buttons**  
Select from SDI and HDMI Inputs
- 3 Function Buttons**  
Function key actions are selected in the Menu
- 4 Exit Button**  
Used in the Menu to exit Menu
- 5 Menu Button**  
In Menu, push button to select menu setting

User programmable function buttons. For quick access, the user may program the F1 and F4 buttons to enable frequently accessed monitor features.

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**1 3G-SDI Terminal**  
SDI Signal Output Terminal

**2 HDMI terminal**  
IN : HDMI input terminal  
OUT: : Input signal through-out terminal

**3 USB terminal**  
For factory service use only

**4 DC 7-24V power terminal**  
Standard DC Connection

**5 DC 7V-24V power terminal**  
XLR DC Connection

**6 3.5mm Phone Output**

**7 TALLY Input Connector**  
RJ45 Connection

**8 Pro Battery Plate Mount Holes**  
Threaded for M3x.07 screws. Use to attach pro battery plate adapter.

**9 USB terminal**  
For factory service use only

**10 1/4-20 Threaded insert (on bottom of table stand)**  
Mounting Monitor

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### CONFIGURATION OF SETTING MENUS

Brightness \_\_\_\_\_ 0-100

Contrast \_\_\_\_\_ 0-100

Chroma \_\_\_\_\_ 0-100

Sharpness \_\_\_\_\_ 0-100

Tint \_\_\_\_\_ 0-100

Color Temp. \_\_\_\_\_  
 5600 K  
 6500 K  
 9300 K  
 MANUAL

OSD Language \_\_\_\_\_  
 English  
 Chinese

OSD Duration \_\_\_\_\_ 5-60 second

Luma Under Warn \_\_\_\_\_

Luma Over Warn \_\_\_\_\_

Fuction 1-4 \_\_\_\_\_  
 Window 1  
 Window 2  
 HV Delay  
 Guides  
 Crosshair  
 Peaking  
 False Color  
 Clip Guide  
 Underscan  
 DSLR Scaling  
 Check Field  
 Pixel  
 Histogram  
 Zebra

Menu Setup \_\_\_\_\_ User 1-5  
 System Reset

The MANUAL function allows you to change the values of Red, Green, and Blue (RGB).

As an additional tool associated with the D12's False Color feature, ikan's exclusive Adjustable Under Exposure and Over Exposed Warning feature gives the operator full control of the D12 False Color brightness values. By setting the preferred IRE exposure limits, the operator is warned when the image exposure is exceeding or falling under the preset IRE limit, providing customizable, full image exposure control.

This function displays a side by side comparison of the incoming video signal. Pushing the F1/2 button one time will enter the mode. Each time the F1/2 button is pushed it will freeze the current frame on the right hand side of the display while the left continues to display the live signal. Pressing the exit button will exit the window mode. Use Window 1 for 16:9 signals and Window 2 for 4:3 signals.

This function displays the blanking portion of the incoming signal.

Display a crosshair on the center of screen.

The D12 is equipped with Monochrome Peaking features which highlight the desired focus area in a bright, red outline. The operator adjusts the focus control until the red indicator outlines on the desired area are razor sharp, indicating optimal focus. For the best results, be sure the subject is properly exposed.

The False Color feature utilizes a full spectrum of assigned color indicators, ensuring flawless shot exposure. As the camera Iris is adjusted, the subject of the image will change color based on specific brightness values indicating optimal exposure. See included chart for color assignments.

The D12 offers adjustable upper Clip Guide levels to accurately display overexposed images in any shooting condition. The operator simply assigns the upper IRE to their preference and any exposure over the set IRE limit will flash in a vivid purple, indicating only the over exposed area.

The DSLR Scaling function will allow users to extend their DSLR camera's HDMI video output any option of four – Normal, 3:2, 16:9 or Full Screen – convenience made simple.

The LCD panel in this display has a native display of 1280 x 800 pixels. A signal of any other resolution is scaled to fit this native resolution. There may be time when it is desired to view the incoming signal without scaling. Enabling Pixel to Pixel mode turns off the scaling and displays a 1280 x 800 pixel window of the original image. Each pixel of the panel displays one pixel of the original image. The user may use the arrow buttons (buttons 3-6) on the monitor face to move the window left, right, up and down to see the desired portion of the image.

A graphical representation of the pixels exposed in your image. The left side of the graph represents the blacks or shadows, the right side represents the highlights or bright areas and the middle section is mid-tones. How high the peaks reach represent the number of pixels in that particular tone. This tool helps you get proper exposure.

A feature that allows you to see what parts of the image are over exposed. It does this by adding black stripes to the parts that are over exposed.

This function recalls user defined values settings .The user setting will remain in memory indefinitely and can be erased by using the reset option in the main menu.

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### FEATURES:

1920 x 1080 Resolution IPS Panel  
3G-SDI & HDMI Inputs & Outputs  
False Color – Adjustable Luminance & Over Luminance Warning  
Clip Guide – Adjustable Threshold  
Peaking  
Histogram  
Zebra  
Underscan  
Color Temperature Presets (9300K, 6500K, 5600K)  
RGB Adjust  
Guides  
Crosshair  
Guide Masks (Full / 16:9 / 15:9 / 4:3 / 1.5:1 / 1.85:1 / 2:1 / 2.35:1/ User)  
Check Field (Blue, Red, Green, Mono)  
Side-by-Side Freeze Frame  
H/V Delay  
Aspect Ratio (Full / 16:9 / 15:9 / 4:3 / 1.5:1 / 1.85:1 / 2:1 / 2.35:1/ User)  
5 User Defined Groups  
Tally System (On-Screen)  
DSLR Scaling

### SPECIFICATIONS:

Screen Size	11.6"
Aspect Ratio	16:9
Resolution	1920 x 1080
Viewing Angle	H: 178 degree / V: 178 degree
Display Technology	IPS
Brightness	350 cd/m <sup>2</sup>
Contrast Ratio	700:1
Response Time	25ms
Pixel Pitch	0.1335x0.1335 (mm)
Inputs	3G-SDI, HDMI
Outputs	3G-SDI, HDMI
Built-in Speaker	2Wx2
Power Consumption	16W
Color System	PAL/NTSC/SECAM (Auto-Detected)
Input Voltage	DC 7V - 24V
Dimensions	9.2 x 11.7 x 0.9" (233.6 x 297 x 22.8mm)
Weight	5lbs (2.2kg)
Build Materials	Steel
Shipping Dimensions	4 x 15.5 x 14.6" (101.6 x 393.7 x 370.8mm)
Shipping Weight	7lbs (3.1kg)
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
UPC Code	847983012343

### SUPPORT RESOLUTIONS

3G-SDI	1920x1080p @ 50, 59.94, 60 Hz
HD-SDI	1280x720p @ 50, 59.94, 60 Hz 1920x1080i @ 50, 59.94, 60 Hz 1920x1080psf @ 23.98, 24, 25, 29.97, 30 Hz 1920x1080p @ 23.97, 24, 25, 29.94, 30 Hz
SD-SDI	720x480i @ 60Hz 720x576i @ 50Hz
HDMI	720x480i & 720x480p @ 59.94, 60 Hz 720x576i & 720x576p @ 50 Hz 1280x720p @ 50, 59.94, 60 Hz 1920x1080i @ 50, 59.94, 60 Hz 1920x1080psf @ 24, 25, 29.97, 30 Hz 1920x1080p @ 23.97, 24, 25, 29.94, 30, 50, 59.94, 60 Hz

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