# VX7c

## 7" 3G -SDI Monitor w/ Signal Conversion QUICKSTART GUIDE



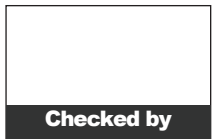## What's included

- ☐ 1 x VX7c Monitor
- ☐ 1 x AC Adapter
- ☐ 1 x Camera Shoe Mount (SM-103)
- ☐ 3 x DV Battery Plate (Check one) ——————

**Checked by**

**DV BATTERY PLATES**
- ☐ **VX7c-1**: Canon 900, Sony L, Panasonic D54 Battery Plates
- ☐ **VX7c-2:** Canon E6, Nikon EL15, Panasonic G6 Battery Plates

## 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.
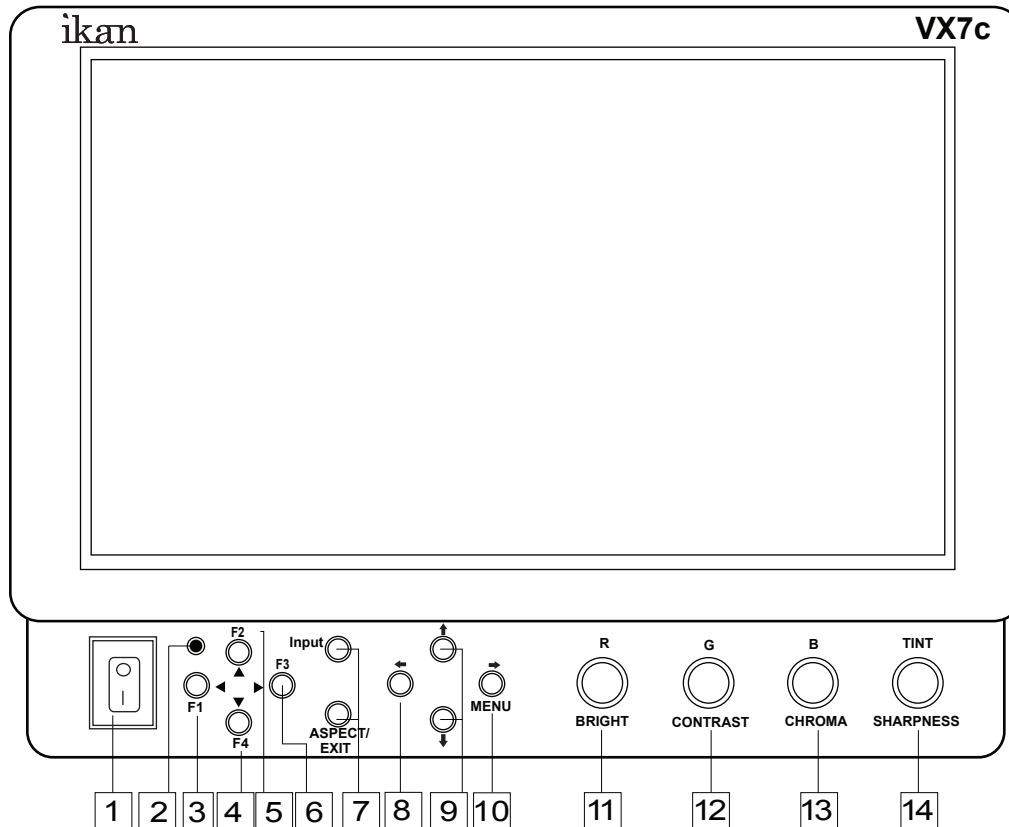
Free Service will not be Provided in the Following Situations: (* Even if the product is still within the warranty period.)
- Damage caused by abuse or misuse, dismantling, or changes to the product not made by the company.
- Damage caused by natural disaster, abnormal voltage, and environmental factors etc.

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*Front view*

**ikan**  **VX7c**

| F2 | Input | | R | G | B | TINT |
|----|-------|---|---|---|---|------|
| F3 | | | BRIGHT | CONTRAST | CHROMA | SHARPNESS |
| F1 | ASPECT/ EXIT | MENU | | | | |
| F4 | | | | | | |

1 2 3 4 5 6 7 8 9 10   11   12   13   14

**1** **Power Switch**
Power ON / OFF

**2** **Power Indicator Light**
When the power is ON, the LED green lights up

**3** **F1 / ◄ Button**
Function key actions are selected in the menu

**4** **F4 / ▼ Button**
Function key actions are selected in the menu

**5** **F2 / ▲ Button**
Function key actions are selected in the menu

**6** **F3/ ► Button**
Function key actions are selected in the menu

**7** **Input & Aspect/Exit Buttons**
Aspect: 16:9, 4:3, Full
In MENU, it is to exit the menu

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

**8** **◄ Button**
Toggle left in MENU setting mode

**9** **↑ and ↓ Buttons**
Toggle up and down in MENU setting mode

**10** **➜ / MENU Button**
Toggle right in MENU setting mode
In MENU, push button to select menu setting

**11** **BRIGHT/R Knob**
Adjust brightness 0 - 100 (50)
Adjust red channel

**12** **CONTRAST/G Knob**
Adjust contrast 0 - 100 (50)
Adjust green channel

**13** **CHROMA/B Knob**
Adjust chroma 0 - 100 (50)
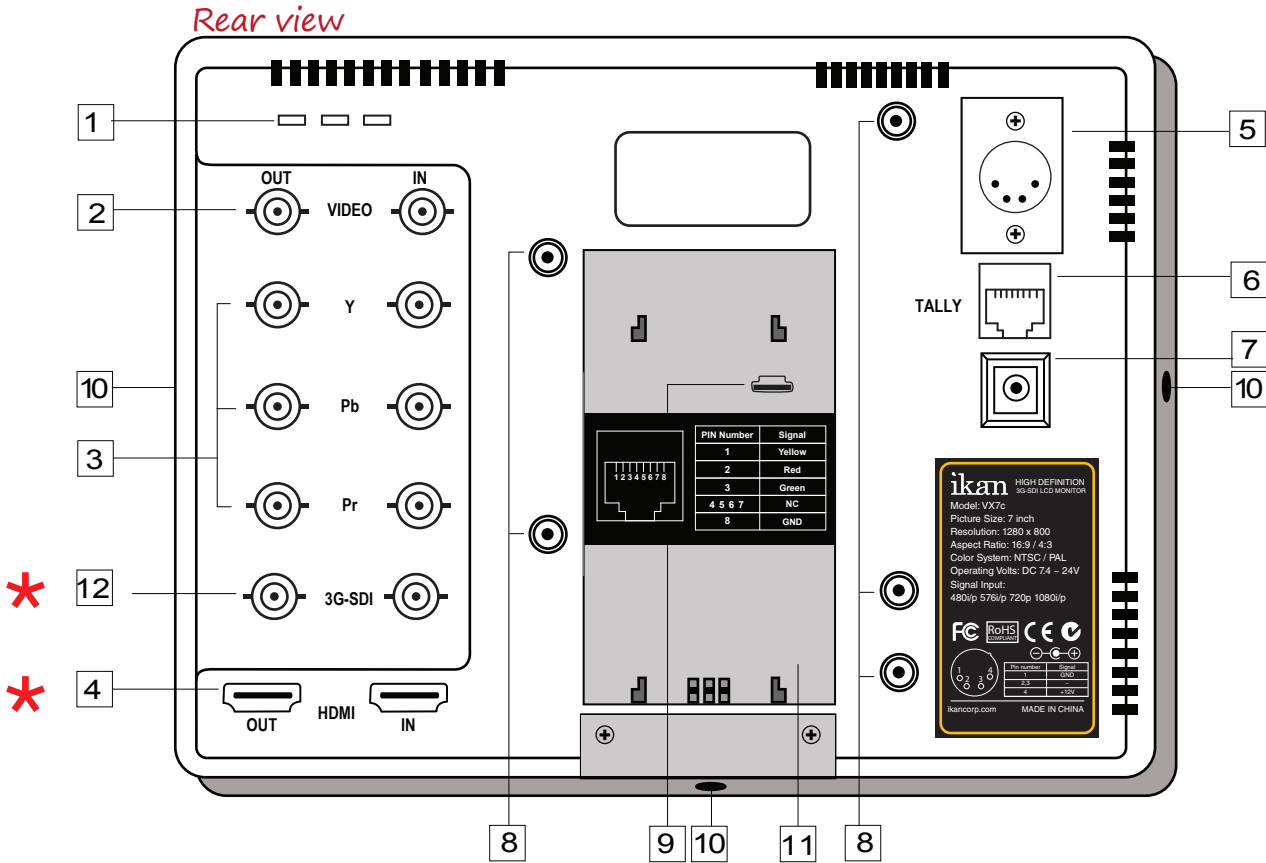Adjust blue channel

**14** **TINT/SHARPNESS Knob**
Adjust tint 0 - 100 (50)
Adjust sharpness 0 - 100 (10)

**15** **TALLY Indicator Lights**

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## 7" 3G -SDI Monitor w/ Signal Conversion QUICKSTART GUIDE

*Rear view*



| PIN Number | Signal |
|------------|--------|
| 1 | Yellow |
| 2 | Red |
| 3 | Green |
| 4 5 6 7 | NC |
| 8 | GND |

**ikan** HIGH DEFINITION 3G-SDI LCD MONITOR
Model: VX7c
Picture Size: 7 inch
Resolution: 1280 x 800
Aspect Ratio: 16:9 / 4:3
Color System: NTSC / PAL
Operating Volts: DC 7.4 – 24V
Signal Input:
480i/p 576i/p 720p 1080i/p

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**1**   TALLY Indicator Lights

**2**   VIDEO terminal (BNC)
IN     : Composite signal input terminal
OUT   : Input signal through-out terminal

**3**   YPbPr terminal (BNC)
IN : Component signal input terminal
OUT: : Input signal through-out terminal

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

**5**   DC 12V-24V power terminal
XLR DC Connection

**6**   TALLY Input Connector
RJ45 Connection

**7**   DC 7-24V power terminal
Standard DC 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**   ¼-20 Threaded insert (on three sides of monitor)
Mounting Monitor

**11**   DV Battery Plate Slot
Mounting ikan DV battery plate

**12**   3G-SDI

### *NOTE*

**3G-SDI:** Inputs automatically output via the 3G-SDI output as well as the HDMI output.

**HDMI:** Inputs automatically output via the HDMI output as well as the 3GI-SDI output.

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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 VX7c's False Color feature, ikan's exclusive Adjustable Under Exposure and Over Exposed Waning feature gives the operator full control of the VX7c 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 F1/4 button one time will enter the mode. Each time the F1/4 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 VX7c 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 VX7c 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

- 1280 x 800 Resolution IPS Panel
- HDMI to SDI / SDI to HDMI Conversion
- Composite, Component, and 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 (Front & Rear)
- DSLR Scaling
- Moveable Pixel-to-Pixel

### SPECIFICATIONS

| | |
|---|---|
| Diagonal (inch): | 7-Inch |
| Aspect Ratio: | 16:10 |
| Resolution: | 1280 x 800 |
| Viewing angle: | 170° horizontal/170° vertical |
| Display Technology: | IPS |
| Brightness: | 400 cd/m2 |
| Response Time: | 30ms |
| Pixel Pitch: | 0.11775×0.11775 (mm) |
| Inputs: | 3G-SDI, HDMI, Component, Composite |
| Outputs: | 3G-SDI, HDMI, Component, Composite |
| Power Consumption: | 11W |
| Color System: | PAL/NTSC/SECAM (Auto-Detected) |
| Input Voltage: | DC 6V - 24V |
| Build Material: | Plastic |
| Dimensions: | 7.36 x 5.6 x 1.3" |
| Weight : | 1 lb |
| Shipping Dimensions: | 3.1 x 14.75 x 7.75" |
| Shipping Weight: | 3 lbs |
| Dimensions (Metric): | 187 x 142 x 33mm |
| Weight (Metric): | 0.45 kg |
| Shipping Dimensions (Metric): | 120 x 196 x 76mm |
| Shipping Weight (Metric): | 1.3 kg |