VX17e

17" 3G- SDI Monitor QUICKSTART GUIDE

What's included

- ☐ VX17e HD Monitor
- ☐ AC Adapter
- ☐ Table Stand (installed)
- ☐ Pair of Rack Ear (installed)
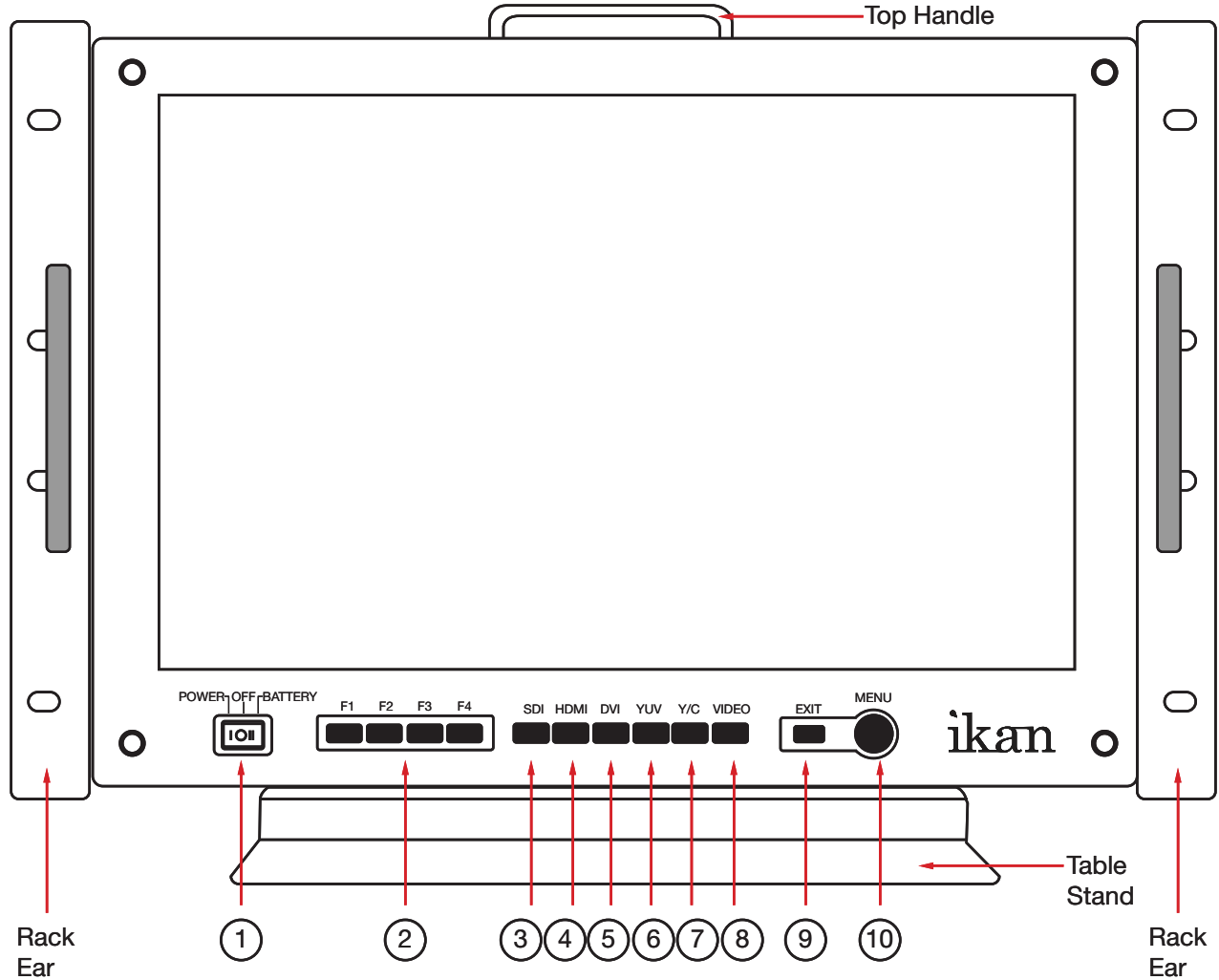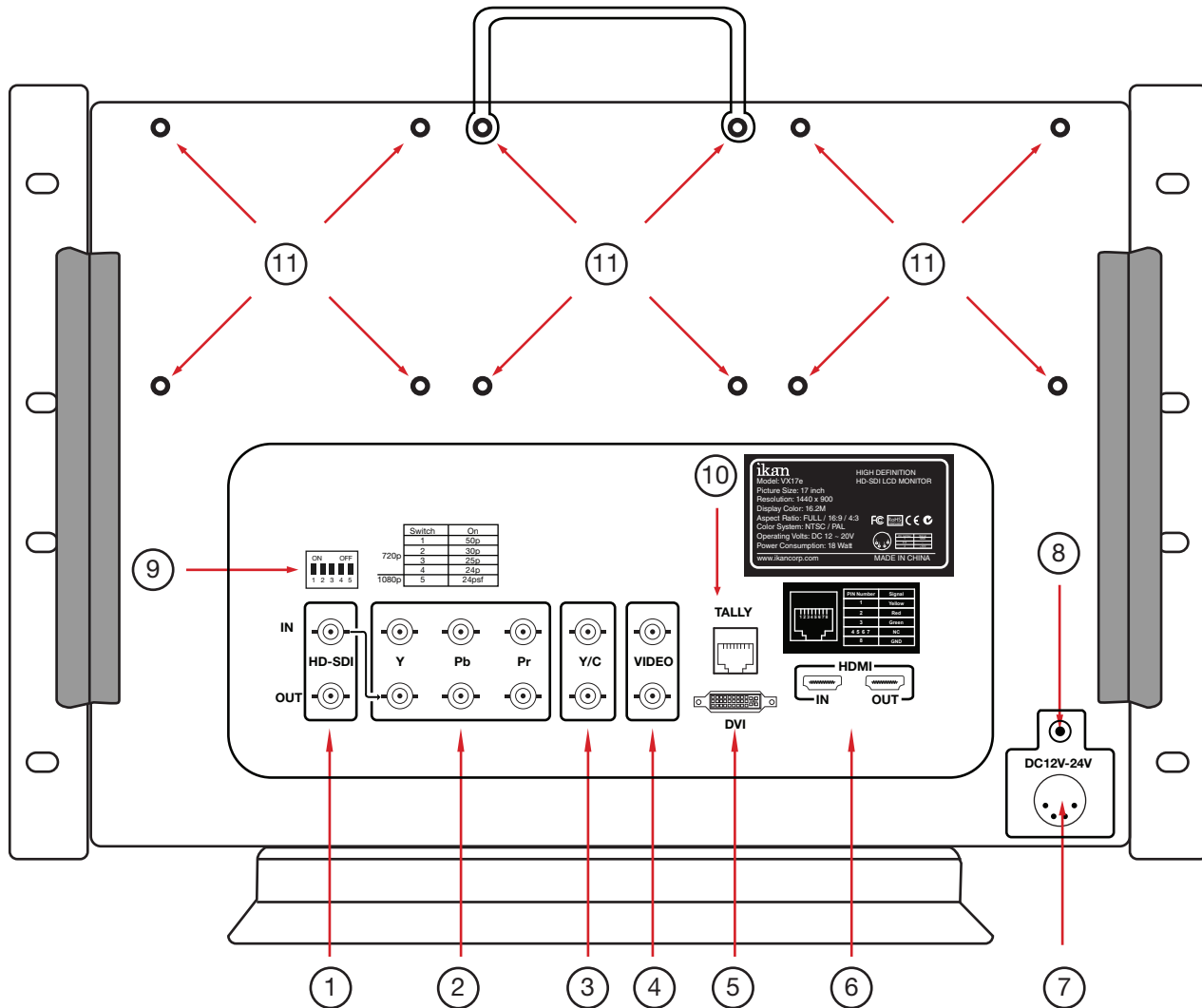
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Top Handle

POWER OFF BATTERY F1 F2 F3 F4   SDI HDMI DVI YUV Y/C VIDEO   EXIT   MENU   ikan

Table
Stand

Rack
Ear

Rack
Ear

(1) (2) (3)(4)(5)(6)(7)(8) (9) (10)

(1) Power Switch
Power ON / OFF

(2) F1 to F4 Buttons
User Programmable Function Buttons
For quick access, the user may program the F1 to F4 buttons to
enable frequently accessed monitor features. Via the main monitor
configuration menu, either button may be assigned to perform the
following functions: Window 1, Window 2, HV delay, Blue Gun, and
Pixel to Pixel, .

(3) HD-SDI Selection Switch
Serial Digital Interface input & output (HD/SD compatible)

(4) HDMI Selection Switch
High-Definition Multimedia Interface input & output

(5) DVI Selection Switch
Digital Visual Interface input

(6) YUV Selection Switch
Analog Component or RGB input & output

(7) Y/C Selection Switch
S-Video input & output

(8) VIDEO Selection Switch
Composite input & output

(9) EXIT Button
In MENU, it is to exit the menu.

(10) MENU Knob
It is to display menu, select settings, and adjustments.
(Push the knob to select, turn the knob to adjust settings.)

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Switch	On
1	50p
2	30p
3	25p
4	24p
5	24psf

720p (switches 1–4), 1080p (switch 5)

Model: VX17e
Picture Size: 17 inch
Resolution: 1440 x 900
Display Color: 16.2M
Aspect Ratio: FULL / 16:9 / 4:3
Color System: NTSC / PAL
Operating Volts: DC 12 ~ 20V
Power Consumption: 18 Watt
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HIGH DEFINITION
HD-SDI LCD MONITOR

MADE IN CHINA

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

HD-SDI   IN   OUT
Y   Pb   Pr
Y/C
VIDEO
TALLY
DVI
HDMI   IN   OUT
DC12V-24V

① HD-SDI Input & Output BNC Connection

② YPbPr - Component Input & Output BNC Connection

③ Y/C - S-Video Input & Output BNC Connection

④ VIDEO - Composite Input & Output BNC Connection

⑤ DVI Connection

⑥ HDMI Input & Output Connection

⑦ DC 12V-20V power terminal
XLR DC Connection

⑧ DC 12V-20V power terminal
Standard DC Connection

⑨ DIP Switch
Enable special 720p modes. For the monitor to correctly display certain 720p signals, it is necessary to configure the DIP switches.

⑩ TALLY
• *Do not provide power to tally connections.*
• *Tally light system is unpowered and works by closing the contact between any of the grounding pins and the pin for the desired LED color.*

⑪ Vesa 100mm Mount Holes
Threaded for M4x.07 screws.Use to attach Pro Battery Plate adapter.

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Screen Size	: Diagonal 17" TFT - LCD
Resolution	: 1440 x 900
LCD Brightness	: 250cd/m²
Contrast Ratio	: 600:1
Viewing angles	: 85°/85°(R/L) 85°/85°(U/L)
Operating Volts	: DC 12-20V
Dimension	: 15.125" x 11.75" x 1.75" (384.17mm x 298.45mm x 44.45mm)
Weight	: 11.5 lbs (5.21kgs)

SUPPORT RESOLUTION - HD-SDI, HDMI, Component, Composite

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
Video	NTSC-M, NTSC-J, NTSC 4.43
	PAL B/G H I D, PAL M, PAL N
	SECAM
YPrPb	720x480i @ 60 Hz
	720x576i @ 50 Hz
	1280x720p @ 23.97, 24, 25, 29.94, 30 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 Hz
	1920x1080p @50,59.94, 60 Hz
HDMI	1920x1080p @ 50,59.94, 60 Hz
	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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CONFIGURATION OF SETTING MENUS

Brightness ——————0-100
Contrast ——————0-100
Chroma ——————0-100
Sharpness ——————0-100
Tint ——————0-100
Color Temp.———————Manual ——————— RGB Setup
                             5600K   — R   0-255
                             6500K   — G   0-255
                             9300K   — B   0-255
                                                    — Exit

Guides
    —— Guides Option   [Off, 90%, 80%, 4:3]
    —— Guides Background   [Normal, Half, Black]
    —— Crosshair   [Off, On]
    —— Return

System Configuration
    —— OSD Language   [English, 简体中文]
    —— OSD Duration   5-60 second
    —— Menu Setup   [User 1 to User 5]
    —— LED Control   [Off, On]
    —— DSLR Autoscaling   [Off, DSLR Full, DSLR 16:9, DSLR 3:2]
    —— System Reset
    —— Return

Function Setup
    —— Luma Under Warn
    —— Luma Over Warn
    —— Function 1   Window 1
                       Window 2
                       HV Delay
                       Guides
                       Crosshair
                       Peaking
                       False Color
                       Clip Guide
                       Underscan
                       Check Field
                       Pixel
    —— Function 2 (same as Fuction 1)
    —— Function 3 (same as Fuction 1)
    —— Function 4 (same as Fuction 1)
    —— Return

Exit

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Guides > Crosshair
Display a crosshair on the center of screen.

System Configuration > Menu Setup > User 1 - User 5
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.

DSLR Autoscaling
This 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.

Color Temerature > Manual > RGB Setup
Allows you to manually control the red, blue, and green channels from 0 - 255.

Function Setup > Luma Under Warn / Luma Over Warn
Adjustable Under Exposure and Over Exposed Waning feature gives the operator full control of the 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.

Function Setup > Peaking
This 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.

Function Setup > False Color
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.

Function Setup > Clip Guide
This 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.

Function Setup > Check Field
Allows to see the image in monochrome or only the red, blue, or green channels.

Function Setup > Pixel
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 1440 x 900 pixel window of the original image. Each pixel of the panel displays one pixel of the original image. The user may use the scroll wheel on top of the monitor to move the window left, right. Push the scroll wheel again to toggle up and down.

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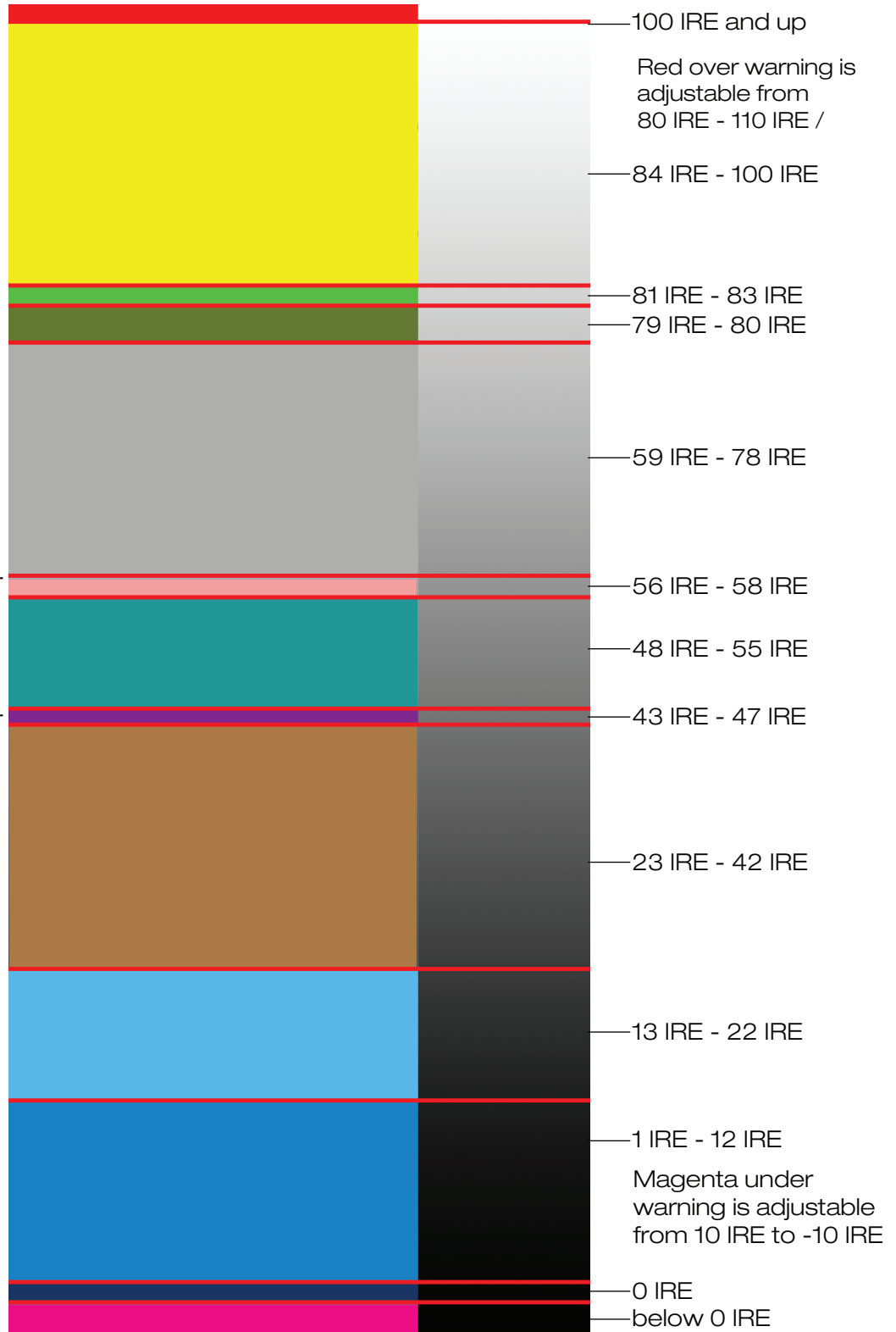
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Use the adjustable warning to prevent over exposures in your video

Use the 70 - 80 IRE indicators to assist in setting exposure for white objects.

Use the 56 IRE indicator to assist in setting exposure for skin tones

Use the 45 IRE indicator in assist in setting exposures when using a gray card

Use the adjustable warning to prevent under exposures in your video

100 IRE and up

Red over warning is adjustable from 80 IRE - 110 IRE /

84 IRE - 100 IRE

81 IRE - 83 IRE
79 IRE - 80 IRE

59 IRE - 78 IRE

56 IRE - 58 IRE

48 IRE - 55 IRE

43 IRE - 47 IRE

23 IRE - 42 IRE

13 IRE - 22 IRE

1 IRE - 12 IRE

Magenta under warning is adjustable from 10 IRE to -10 IRE

0 IRE
below 0 IRE

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