AX20

ikan

Atlas 19.5" 3G-SDI/HDMI Field and Studio Monitor with 3D LUTs & Scopes
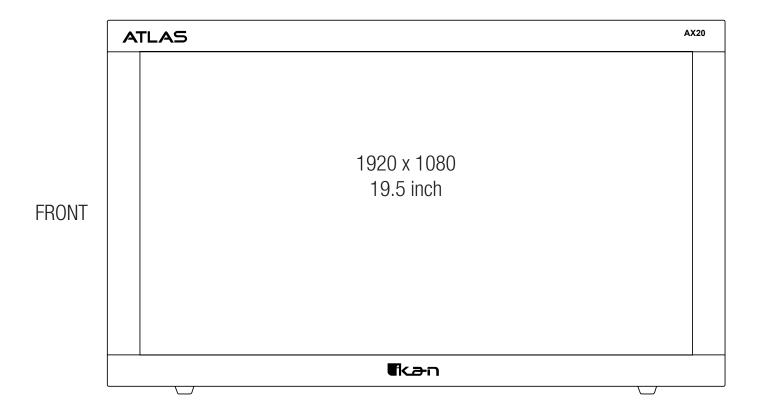
What's Included

☐ 1 x Atlas 19.5" Monitor

☐ 1 x AC Adapter

☐ 1 x Sunhood
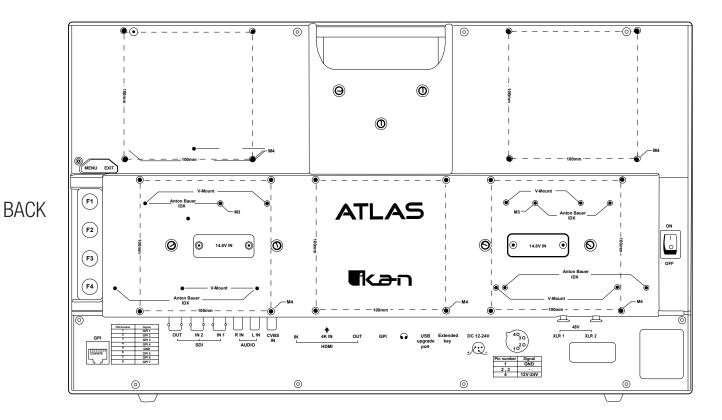
CHECKED BY

ATLAS   AX20

FRONT

1920 x 1080
19.5 inch

ikan

BACK

MENU   EXIT

F1

F2   V-Mount   ATLAS   V-Mount

Anton Bauer   Anton Bauer
   IDX   IDX
F3   M3   M3
           14.8V IN   ikan   14.8V IN

F4   V-Mount   Anton Bauer
    Anton Bauer   IDX
       IDX   V-Mount
                                                                         ON

                                                                         OFF

PIN Number	Signal
1	GPI 1
2	GPI 2
3	GPI 3
4	GPI 4
5	GND
6	GPI 5
7	GPI 6
8	GPI 7

GPI

OUT   IN 2   IN 1   R IN   L IN   CVBS   IN   4K IN   OUT   GPI   USB   Extended   DC 12-24V   48V
                                      IN   upgrade   key   XLR 1   XLR 2
        SDI   AUDIO   HDMI   port

Pin number	Signal
1	GND
2 , 3	-
4	12V-24V

Configuration of Setting Menus

Input Source
HDMI 1 ——————————————— (4K Compatible HDMI Input)
HDMI2
SDI 1
SDI 2
AV

Guides
Guides ——————————————— Toggle between the following: 80%, 90%, 15:9, 4:3, 1.5:1, 2:1, 2.35:1, Custom
Guide Masks ————————————— Enables or disables masking for the guides
Crosshair ————————————— Activates crosshair on the center of the screen
Grids ——————————————— Displays grids on the screen to assist with framing
GPI Guide 1 ——————————— Toggle between the following: 80%, 90%, 15:9, 4:3, 1.5:1, 2:1, 2.35:1, Custom
GPI Guide 2 ——————————— Toggle between the following: 80%, 90%, 15:9, 4:3, 1.5:1, 2:1, 2.35:1, Custom
GPI Grid ————————————— Displays grids on the screen to assist with framing 1 - 10
Back ——————————————— Return to previous menu

Video Configuration
Brightness ———————————— 0-100
Contrast ——————————————— 0-100
Chroma ——————————————— 0-100
Sharpness ———————————— 0-100
Tint ————————————————— 0-100
Color Temperature ——————— 5600K, 6500K, 7500K, 9300K, Custom
Backlight ———————————— Low, Middle High
Aspect ——————————————— Full, 16:9, 15:9, 4:3, 1.5:1, 1.85:1, 2:1, 2.35:1, User
GP1 Aspect ————————————— Full, 16:9, 15:9, 4:3, 1.5:1, 1.85:1, 2:1, 2.35:1, User
Back ——————————————— Return to Previous Menu

Sound Configuration
Audio Selector —————————— Off, XLR Input, AV Input
Back ——————————————— Return to previous menu

System Configuration
OSD-Language ————————— English, Chinese
OSD-Duration ————————— 5 Seconds, 10 Seconds, 15 Seconds, 20 Seconds, 30 Seconds, OFF
OSD-Transparancy ———————— Off, Low, Middle, High
Menu Setup ——————————— Allows up to 5 users to save menu settings
Sense Keys ——————————— Turns on or off the touch sensitive buttons on the back
System Reset ————————— Returns all settings back to default
Back ——————————————— Return to previous menu

LUT Configuration   (Not Available HDMI 1 Input)

Stored from USB —————————— List of LUT files that have been saved from the USB drive. This allows for quick access to your most used LUT's

USB Looks —————————— Allows access to LUT files saved on a connected USB drive. Use scroll wheel to navigate file system. When you find the LUT you want to load just simply press the scroll wheel down and the file will be loaded. Press the scroll wheel a second time and the LUT will be stored on the monitor and accessible via the "Stored from USB" menu option

Automatic Color Correction —————— Enable this option when an X-Rite iDisplay Pro calibration probe is connected to the USB connector on the back of the monitor labeled ICC USB

1. Connect the probe to the monitor.
2. Flip probe cover back and place the probe on the center of the screen.
3. Enable the Automatic Color Correction
4. After the monitor will go through the self-callibration process. Do not turn off monitor during this process.

Back —————————— Return to previous menu

GPI Setup

GPI Control —————————— Turn ON/OFF the GPI Control

GPI 1-7 —————————— Set the GPI functions

Back —————————— Return to previous menu

Firmware

Version —————————— Displays firmware version

Update USB —————————— Used to update the monitor firmware. Firmware should be saved in the root directory of a USB drive for the monitor to recognize it. Check www.ikancorp.com for the latest firmware.

Back —————————— Return to previous menu

Function Set Up 1-4

Guides —————————— Toggle between the following: 80%, 90%, 15:9, 4:3, 1.5:1, 2:1, 2.35:1
                                  Submenu Options: Color - White, Red, Green, Blue, Black
                                                       Thickness - 1-10
                                                       Guide Masks - ON / OFF

Crosshair —————————— Displays a crosshair on the center of the screen
                                    Submenu Options: Color - White, Red, Green, Blue, Black
                                                       X Offset - 0-100% (50% is dead center)
                                                       Y Offset - 0-100% (50% is dead center)

Peaking —————————— (Not Available HDMI 1 Input) This monitor is equipped with a color peaking feature which highlights the desired focus area in a bright color. The operator adjusts the focus until the subject is surrounded with the color outline. The color and thickness of the line can be adjusted.
                                    Submenu Options: Factor - (line thickness) 1-10
                                                       Color - White, Red, Green, Blue, Black

Underscan —————————— The image size is reduced. This allows the operator to be sure there is no unwanted items in the frame.
                                    Submenu Options: Factor - (Image Size) 50-100

DSLR Scaling —————————— (Not Available HDMI 1 Input) The DSLR Scaling function will aloow the user to extend the DSLR camera's HDMI video output to: Full, 3:2, 16:9

Zooming —————————— This feature allows the operator to zoom into the image up to 3x
                                    Submenu Options: Position - Middle, L+T (left top), R+T (right top), R+B (right bottom), L+B (left bottom), User
                                                       X Offset - Allows the operator to position the image on the X Axis
                                                       Y Offset - Allows the operator to position the image on the Y Axis
                                                       Ratio - X1.5, X2, X2.5, X3, User
                                                       H - Allows the operator to stretch the image horizontally up to 3x
                                                       V - Allows the operator to stretch the image vertically up to 3x

Check Field —————————— Toggles between blue only, red only, green only, & mono modes. This is used to help calibrate the monitor to color bars.

H / V —————————— This function displays the blanking portion of the incoming video signal

Grids —————————— Activates a grid on the screen to assist with framing. From 4-121 boxes can be displayed on the screen.
                                    Submenu Options: Grids - 1-10
                                                       Color - White, Red, Green, Blue, Black

False Color ————————— This feature utilizes a full spectrum of assigned color indicators to show overall brightness of the image. This helps achieve perfect exposure.

Submenu Options: Under Warn. - Allows the user to set the desired IRE level in which the image will show purple for the under-exposed areas of the image.

Over Warn. - Allows the user to set the desired IRE level in which the image will show red for the over-exposed areas of the image.

Tooltip - Enables or disables the color code key on the screen.

Zebra————————— (Not Available HDMI 1 Input) The monitor will display slanted lines where the image is over-exposed or under-exposed.

Submenu Options: High Area - ON / OFF

Factor - Adjust sensitivity of over-exposure lines

Color - White, Red, Green, Blue, Black

Low Area - ON/OFF

Factor - Adjust sensitivity of under-exposure lines

Color - White, Red, Green, Blue, Black

Audio Meters————————— (Not Available HDMI 1 Input) Allows the operator to monitor up to 8 channels of audio

Submenu Options: Audio Meters - ON / OFF

Audio Channel - 2 Channel, 8 Channel

Position - Top, Bottom, Division (2 Channels on top, 2 Channels on bottom)

Waveform————————— (Not Available HDMI 1 Input) Toggles between the different scopes available: Waveform, Vectorscope, RGB Parade, Histogram, Audio Meters

Submenu Options: Waveform - Full screen, Four screen, All types (all scopes on screen at once), User mode, (custom position and scopes on screen at the same time).

Options - Allows the operator to enable individual scopes and choose options

Blending - 0-100 (Choose opacity of the scopes)

SDI WF Mode - On Screen, Output (choose to display the scopes on the monitor screen or output them via SDI to a secondary monitor).

Dual Link SDI————————— Enable or disable Dual Link SDI

Pixel Measure ————————— (Not Available HDMI 1 Input) Enables the pixel measure feature. This allows the user to get precise pixel color information in various output formats.

Submenu Options: RGB / YCbCr

8-Bit / 10-Bit

Hexadecimal / decimal

X: Position

Y: Position

HDR Preview ————————— (Not Available HDMI 1 Input) Enable HDR Viewer

Submenu Options: HDR Preview - ON/OFF

HDR Range - 0-10

Log Formats - Allows adjustment of camera log format

Gamuts - Allows adjustment of gamut

Time Code ————————— (Not Available HDMI 1 Input) Enable time code display

Submenu Options: Time Code - ON/OFF

Mode - VITC, LTC

Position - Choose the position of the time code on screen

Specifications

Aspect Ratio	16:9
Brightness	240 cd/m2
Build Material	Aluminum
Color System	PAL / NTSC / SECAM (Auto-Detected)
Contrast Ratio	3000:1
Dimensions	19.2 x 11.4 x 2 in.
Display Technology	IPS
Inputs	3G-SDI, HDMI, Composite
Operating Temperature	32°F~122°F (0°C~50°C)
Operating Volts	DC 12-24V
Outputs	3G-SDI, HDMI
Resolution	1920 x 1080
Screen Size	19.5 in.
Shipping Dimensions	23.5 x 8.5 x 16 in.
Shipping Weight	19 lbs
Viewing Angle	178° Horizontal / 178° Vertical
Weight	11.5 lbs

Supported Video Signals

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, 29.97, 30 Hz
SD-SDI	720x480i @ 59.94, 60Hz 720x576i @ 50Hz
HDMI	720x480i @ 60 Hz 720x576i @ 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, 29.97, 30, 50, 59.94, 60 Hz 3840x2160p @ 24, 25, 30 Hz 4096x2160p @ 24 Hz
Composite	NTSC-M, NTSC-J, NTSC 4.43 PAL B/G H I D, PAL M, PAL N SECAM

Optional Accessories

Some other products that work well with the AX20 available from Ikan include:

ELE-VESA	Adjustable VESA Monitor Stand Mount for 5/8" Baby Pin
M-A	Universal Gold Mount Plate
M-S	Universal V-Mount Plate

Learn More

More dynamic information at official website: www.ikancorp.com

Support

Contact email: support@ikancorp.com

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 is 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.