

RGBlink[®]

aura Gen₂

aura UHD studio 24 Gen 2 Monitor

12G-SDI Professional Film and Television Production Monitor



aura Gen₂

aura UHD studio 24 Gen 2

aura UHD studio 24 Gen 2, 3840 x 2160 16:9 aspect ratio, 1000nits, 100% DCI-P3 wide color gamut, custom 3D LUT import, designed for professional production and post production workflow. Offers the precise color reproduction and the unique and advanced features. The aura UHD 24 Gen 2 also supports various HDR gamma curves, such as PQ, HLG, S-Log3.

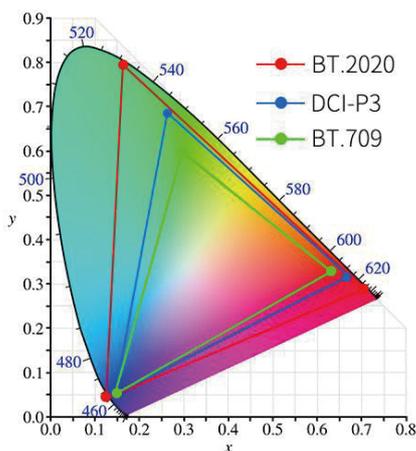
4K IPS LCD/QLED Panel

4K UHD LCD panel, with ultra high resolution 3840x2160, the color depth up to 10bit and display 1.07B colors, and offers the precise colors and performance to get video and visual media content to be exactly as intended.



wide color gamut for broadcast TV and film standards

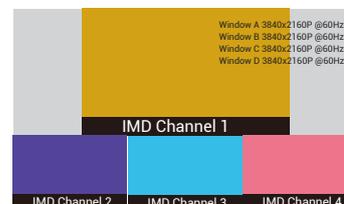
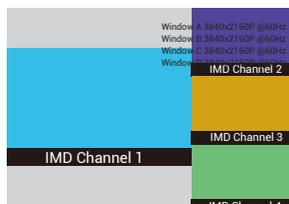
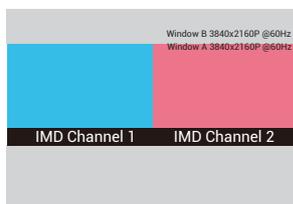
aura UHD studio 24 Gen 2 monitor covers 100% Rec.709 and 98% DCI-P3 wide color gamut, presenting rich color. And supports ITU-R BT.2020, ITU-R BT.709, EBU, SMPTE-C, Native and other color gamuts, meet the different needs of photographers for color gamut.

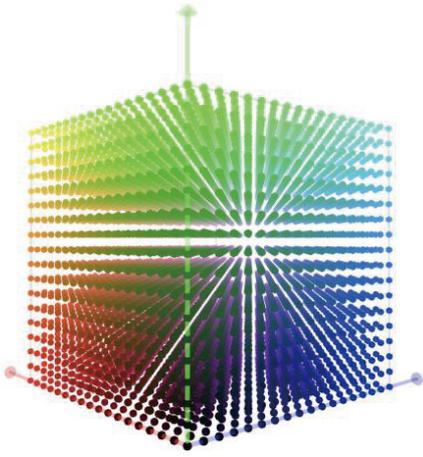


BT.2020 DCI-P3 BT.709

Multi Screen-4 12G SDI under quadview

Support multi screen modes, PBP/PAP, 3 screen and quad, monitor multiple signals at the same time.





Accurate 3D LUT Color Calibration & Rainbow Color Management Engine

aura UHD studio 24 Gen 2 adopts a high-precision 3D LUT that supports tetrahedral interpolation algorithm, and built-in Rainbow color management engine, ensures aura uhd series has accurate color reproduction capabilities.

Aluminum Alloy Frame

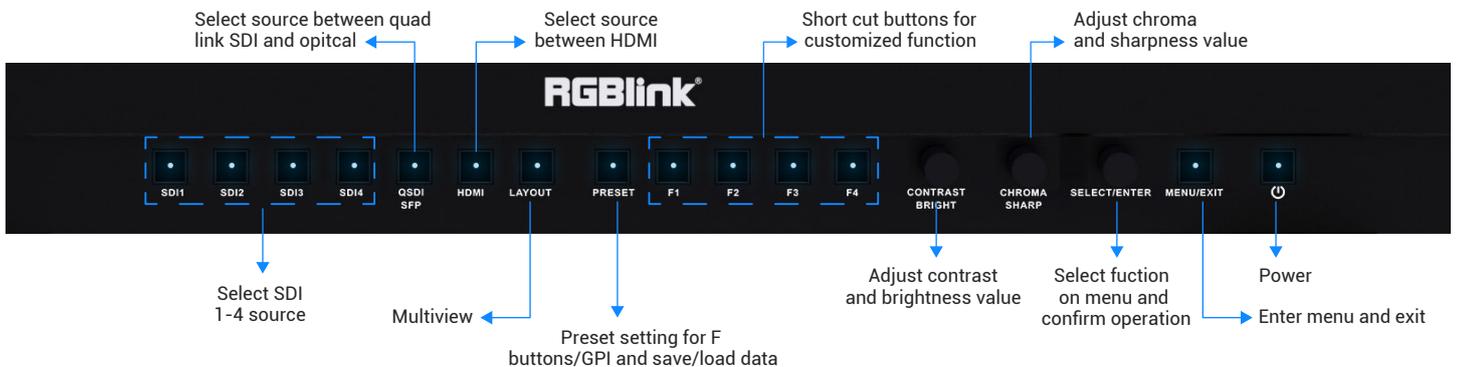
rugged and durable, easy to dissipate heat.

The full aluminum alloy frame not only make the device more solid and durable, but also solve the problem of heat dissipation.



Flexible and Intuitive Button Operation

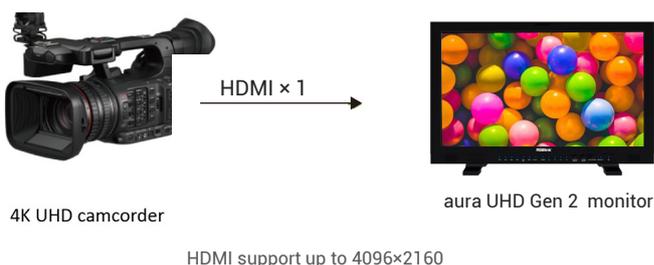
When you are busy during the shooting, you need to be able to easily control the equipment, and this aura UHD 24 Gen 2 can meet your needs. It can switch between one-button sources, custom shortcuts, and quickly call out menu, etc. to make shooting easier. The backlight button design makes it easier for you to distinguish the current input signal and the shortcut keys used, easy to use even in dimly lit studio or outdoor environments.



12G-SDI /8K/4K HDMI Signal

Bringing you a new visual experience

When you need a higher quality SDI monitoring for 4K or 8K video, aura UHD studio 24 Gen 2 is the perfect choice. It comes with 4*12G-SDI inputs and outputs, support up to 8K signal input, allow for multiple configurations of input, 1*HDMI 2.0 inputs, support up to 4096x2160p(60/59.94/50/30/29.97/25/24/23.98) & 3840x2160p(60/50/30/25/24) signal. Corresponding to the refresh of 60 frames per second, 4K audio and video transmission can be solved just over a single cable, reducing costs and ensuring high quality image, bringing you a new visual experience!

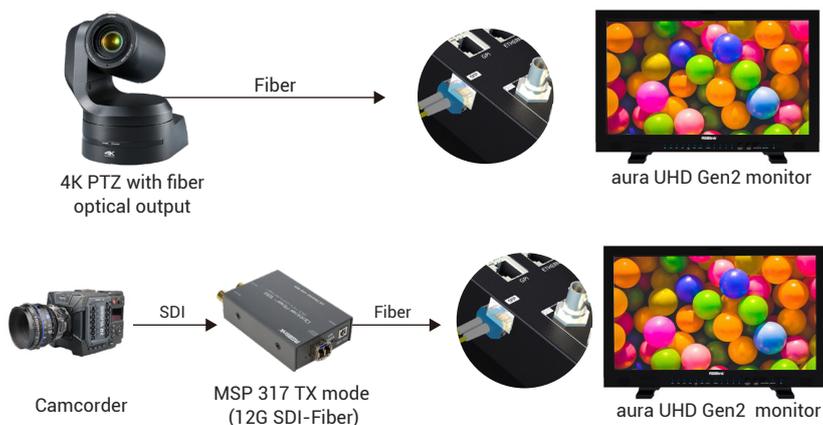


12G-SFP Fiber Port

Seamless, high-speed, reliable data communication connection

This series comes with SFP interface compatible with universal SFP or SFP + fiber optical module, is an essential part of high-speed telecommunications and data communications, especially in large network environments, which allows for the receiving of broadcast quality transmission level video data over a fiber optic connection. Used by many TV broadcasters, fiber optic input is the industry standard for the control room as video transmission technology.

Note: SFP module is optional.



Thunderbolt app direct connect

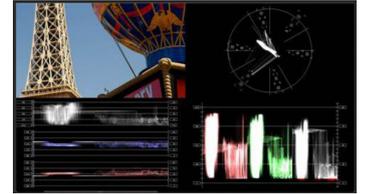
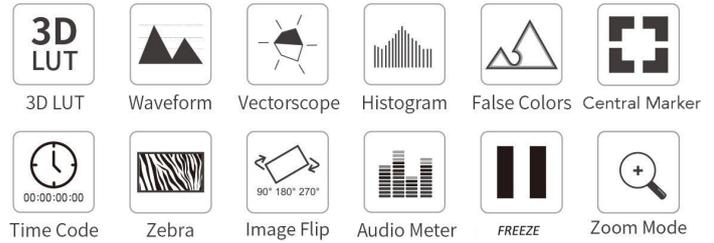
aura UHD studio 24 Gen 2 can work with popular editing software such as DaVinci Resolve, Final Cut Pro X, Media Composer, and Adobe Premiere Pro CC and also compatible with professional level broadcast graphic and titling systems through Thunderbolt. Unlike Gen 1, USB-C on Gen 2 does not support copy or extend desktop of computer.



Professional On Set Monitoring Tools

Accurately focus and efficient monitoring

aura UHD studio 24 Gen 2 provides a series professional auxiliary monitoring tools, such as waveform, 3D-LUT, central marker, histogram, vector scope, audio meter, time code, image flip, etc. All these functions are easy to select and operate from OSD menu which greatly improves the efficiency of on-site shooting and post-production. Support waveform, vector, histogram-HDR waveform.



False Color-Spectrum, ARRI and RED

False color is a feature on monitors that can read exposure levels in a given shot. It is primarily known for displaying images in a different color scheme to make certain details more noticeable. Images displayed with these colors follow a spectrum that includes purple, blue, black, grey, yellow, orange, and red. These colors can help you figure out both the quantity and quality of exposure your image is receiving.



SDR and HDR Image Comparison Function

Supports HDR mode/Gamma(EOTF)

aura UHD studio 24 Gen 2 can perform SDR and HDR image comparison monitoring in multi-view mode, supports HLG (1.0, 1.1, 1.2, 1.3, 1.4, 1.5) mixed log gamma, ST.2084 Dolby Vision PQ, Sony S-log3 HDR, various common gamma and user Gamma LUT upload.



Gamut Warning

This function will show image beyond BT.709 in magenta, reminding that the image will not be able to display the color of the part beyond the monitor screen when editing with Rec.709. This function is only effective under BT.2020 color gamut.



Gamut warning off

Gamut warning on

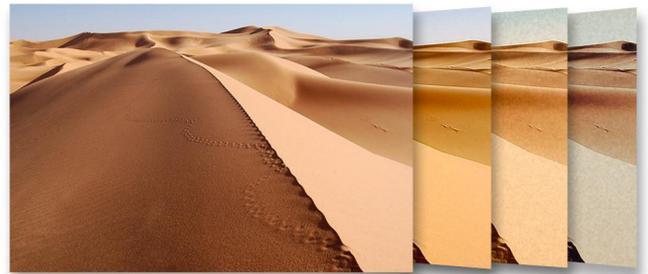
Payload ID Automatically Setting

aura UHD studio 24 Gen 2 can read the Payload ID information of the SDI input signal source, and automatically select the color gamut, EOTF (PQ or HLG) curve.



3D LUT, Recreate Film Looks

3D-LUT is a table for quickly looking up and output specific color data. By loading different 3D-LUT tables, it can quickly recombine color tone to form different color styles. Built-in 9 DE-log LUT, you also can load the customized "*.cube" file by the dedicated software.



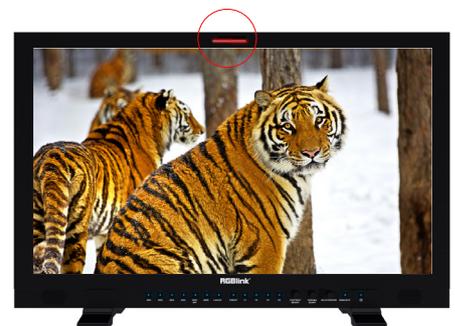
Dynamic UMD TSL3.1/4.0/5.0 Protocol

aura UHD studio 24 Gen 2 supports UMD of TSL 3.1/4.0/5.0 protocol allowing 8 letters to be displayed for single channel and gives the chance to the producer at a glance and to find out if the dedicated signal source is being switched.



Three Color Tally Lights

GPI controls Red Tally, Green Tally and Yellow Tally, which not only can remind the photographer to enter the recording state, but also appreciate the convenience of TV shooting quasi-professional technology in your creation.



Professional Audio Meters

aura UHD studio 24 Gen 2 can de-embed audio from SDI and HDMI. It can support up to 16 channels display and users can select any 2 channels audio to output via speaker or 3.5mm headphone jack. The audio meters can be displayed in vertical or horizontal orientation. Under multiview mode, each window has its own audio meter.



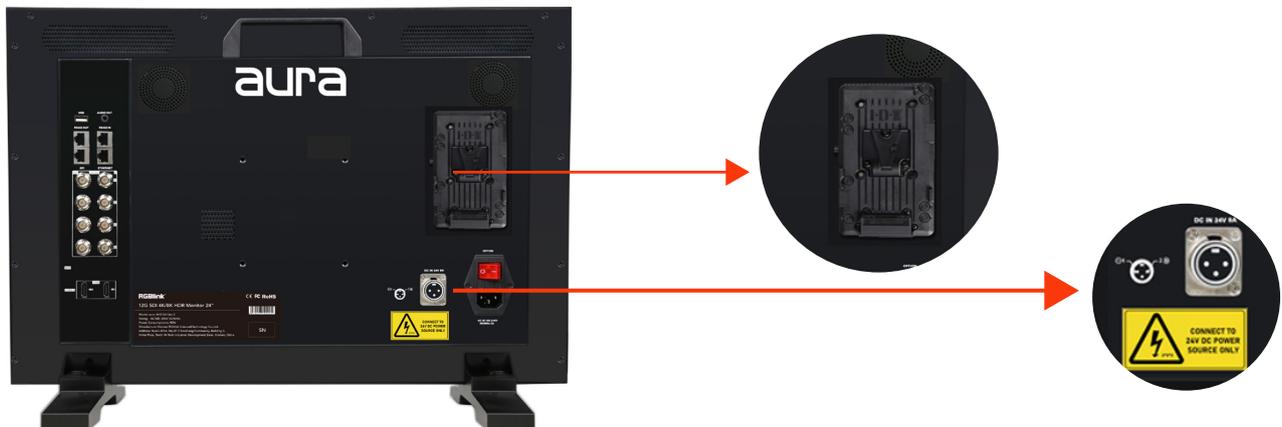
VESA mounting points

aura UHD studio 24 Gen 2 comes with 100×100mm VESA mounting, you can easily hang it on articulated arm or wall for a busy newsroom.

Note: articulated arm is not supplied.

Power Supply

24V/8A DC power input convenient to receive mobile power supply
Optional : V mount battery plate
Compatible with universal v mount battery



Specification

Connectors

Input	
12G-SDI	4 × BNC
HDMI	2 × HDMI-A (*HDCP not supported)
SFP	12G Fiber
Type-C/Thunderbolt3	1 × USB-C (*Only for previewing Davinci app output, does not support desktop duplication or extension.)

Output

12G-SDI	4 × BNC
---------	---------

Performance

Panel	Size	23.8 inch	Backlight	LED
	Brightness	1000 cd/m2	Contrast Ratio	1000:1
	Type	LCD Panel	Color Depth	10bits(1.07B)
	Resolution	3840 × 2160	Image Processing	12bits
	Pixel Pitch	0.1369 (H) × 0.1369 (V) mm	Response	9ms
	Aspect Ratio	16:9	Viewing Angle	178°/178°

Video Signal Format

SDI Signal Format	1080p@50/59.94/60; 1080p@23.98/24/25/29.97/30; 720p@50/59.94/60; 3840×2160p@23.98/24/25/29.97/30/50/59.94/60; 2048×1080@23.98/24/25/29.97/30p/psf, 47.95/48/50/59.94/60p; 3840×2160p@24/25/30; 3840×2160p@24/25/30/50/60;
-------------------	---

HDMI Signal Format	720p@50/59.94/60;1080i@50/59.94/60; 1080p@23.98/24/25/29.97/30/50/59.94/60; 3840×2160p@23.98/24/25/29.97/30/50/59.94/60; 4096×2160p@23.98/24/25/29.97/30/50/59.94/60;
--------------------	--

Audio	Audio De-embedding	Support
	Audio Meter	16 channels (Up to 8 channels can be displayed simultaneously.)
	Built-in Speaker	1×8 ohm/0.5W
	Headphone	Stereo mini Jack×1

General	Control/Update	1×RJ45
	GPI	GPI1-5, 1×RJ-45
	Serial Port	RS-422, 2×RJ-45 (1 IN 1 OUT)

Supported Standard	HDMI IN1	HDCP 1.X HDCP 2.2
	SDI	SMPTE-425M-A/B
		SMPTE-274M
		SMPTE-296M
		SMPTE ST 2036-1:2009
		SMPTE ST 2048-2:2011
		SMPTE ST 2081
		SMPTE ST 2082

Power

Input Voltage	AC100~240V 50/60Hz
Power Consumption (Max)	90W

Environment

Operating Temperature	-10℃ ~ 55℃ (14°F to 155°F)
Operating Humidity	30% ~ 85%, RH
Storage Humidity	-20-60℃

Physical

Net Weight	8.6kg
Packaged Weight	12kg
Net Dimension	71.7mm × 160mm × 414.85mm
Packaged Dimension	800mm × 250mm × 555mm

