

**RGBlink**<sup>®</sup>

**aura** Gen<sub>2</sub>

**aura UHD Gen 2 Monitors** Include 6 Models  
12G-SDI Professional Film and Television Production Monitor



# aura Gen<sub>2</sub>

## aura UHD 24/27/32 Gen 2 aura UHD studio 24/27/32

This series is broadcast 4K HDR monitor, equipped with UHD (3840×2160) screen, supports 4-channel single-link 12G-SDI, quad-link 4K SDI and HDMI2.0 signal input, supports high-precision 3D LUT with tetrahedral interpolation algorithm, supports HDR formats such as SMPTE ST2084(PQ), hybrid log-gamma HLG, various Gamma curves, camera Log and other professional functions which are widely used in pre-shooting and post-grading work in broadcasting, film, television, and high-end advertising production.

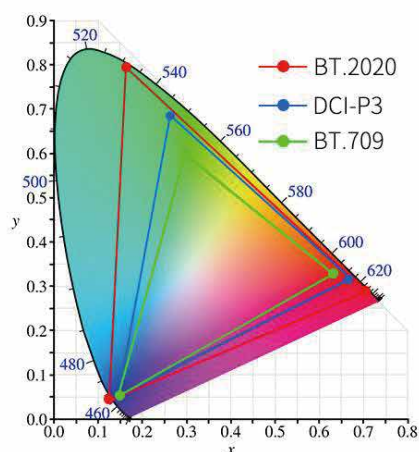
## 4K IPS LCD/QLED Panel 24/27/32 inch available

4K UHD LCD panel, with ultra high resolution 3840 × 2160, 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.



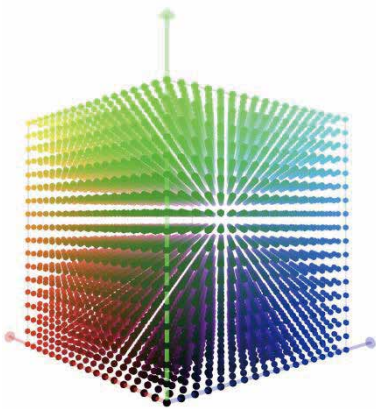
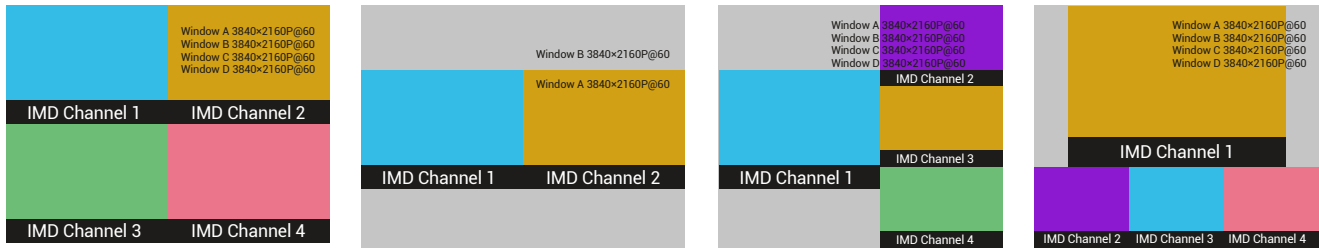
## wide color gamut for broadcast TV and film standards

aura UHD Gen2 monitor covers 100% Rec.709 and 100% 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.



# 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 Gen2 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.



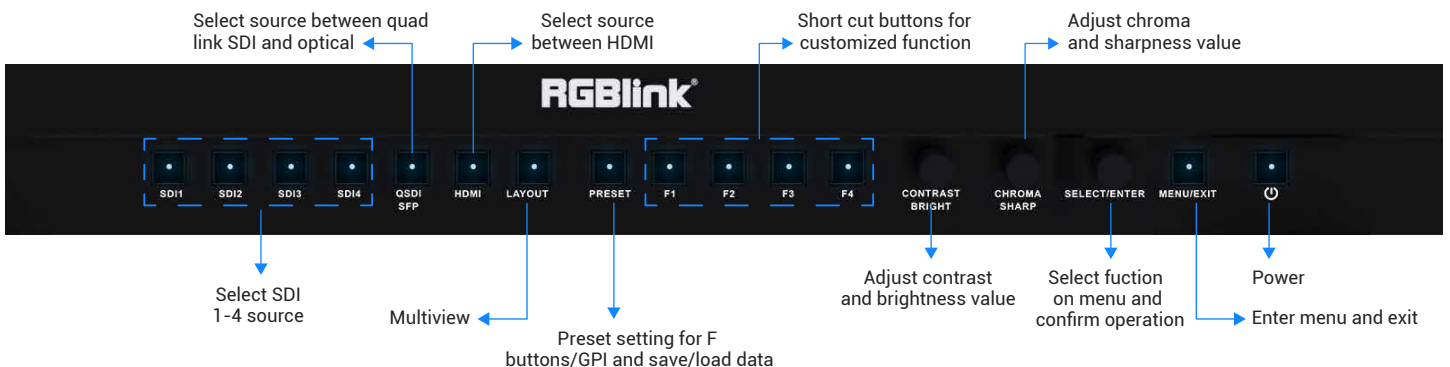
## Aluminum Alloy Frame

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

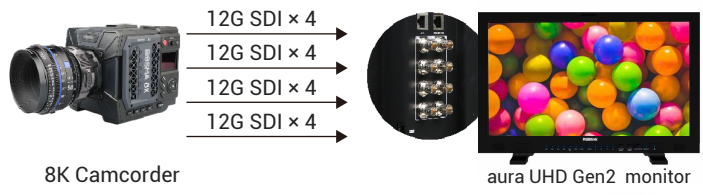
When you are busy during the shooting, you need to be able to easily control the equipment, and this aura UHD Gen2 series can meet your needs. It can switch between one-button sources, custom shortcuts, and quickly call out menu, etc. to make shooting easier. The backlight button design makes it easier for you to distinguish the current input signal and the shortcut keys used, easy to use even in dimly lit studio or outdoor environments.



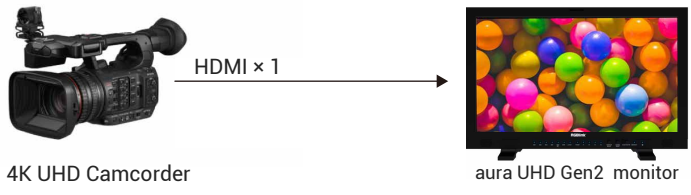
# 12G-SDI /8K/4K HDMI Signal

Bringing you a new visual experience

When you need a higher quality SDI monitoring for 4K or 8K video, aura UHD series 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 input, support up to 4096 × 2160p(60/59.94/50/30/29.97/25/24/23.98) and 3840 × 2160p(60/50/30/25/24) signal. Corresponding to the refresh of 60 frames per second, 4K audio and video transmission can be transmitted just over a single cable, reducing cost and ensuring high quality image, bringing you a new visual experience!



monitor 8K source via Quad-link 12G SDI



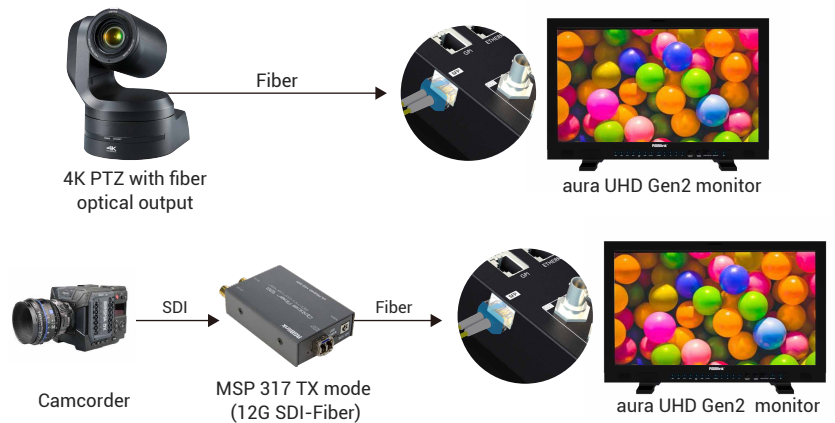
HDMI support up to 4096 × 2160

# 12G-SFP Fiber Port

Seamless, high-speed, reliable data communication connection

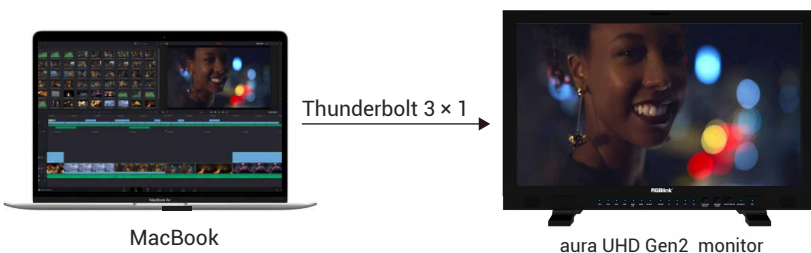
This series comes with SFP interface compatible with universal SFP or SFP + fiber optical module, is an essential part of high-speed telecommunications and data communications, especially in large network environments, which allows for the receiving of broadcast quality transmission level video data 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

Playback from editing software

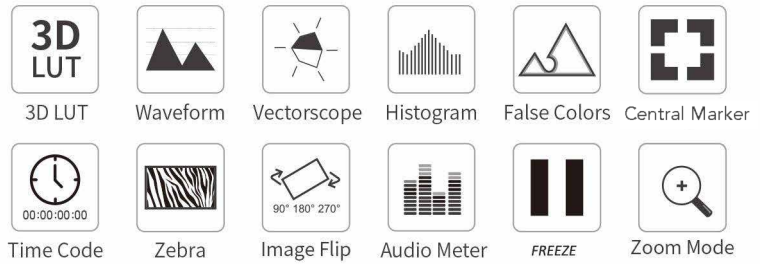


This features only supported on aura UHD studio models. It can work with popular editing software such as DaVinci Resolve, Final Cut Pro X, Media Composer, and Adobe Premiere Pro CC and also compatible with professional level broadcast graphic and titling systems through Thunderbolt. Unlike Gen 1, USB-C on Gen2 does not support copy or extend desktop of computer.

# Professional On Set Monitoring Tools

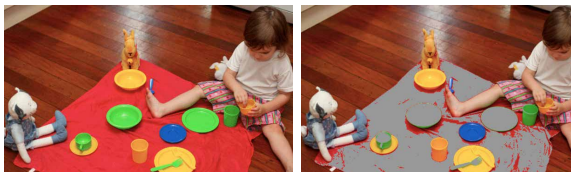
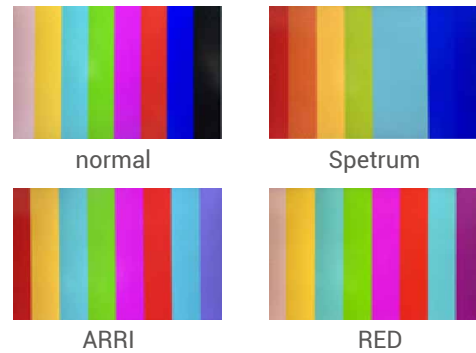
Accurately focus and efficient monitoring

aura UHD Gen2 series 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.



## 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.



Gamut warning off

Gamut warning on

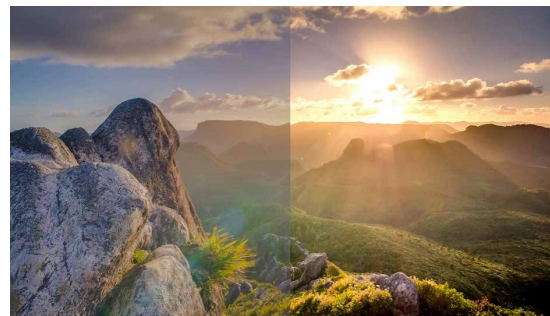
## Gamut Warning

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.

## SDR and HDR Image Comparison Function

Supports HDR mode/Gamma(EOTF)

aura UHD Gen2 series 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.



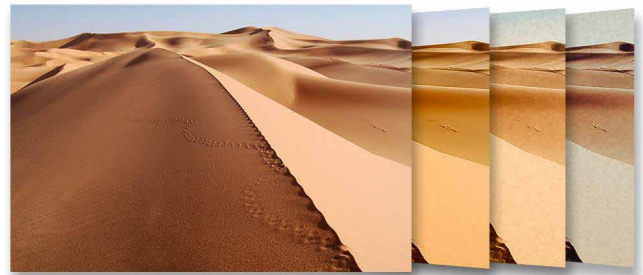
## Payload ID Automatically Setting

aura UHD Gen2 series 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 Gen2 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 Gen2 series 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.

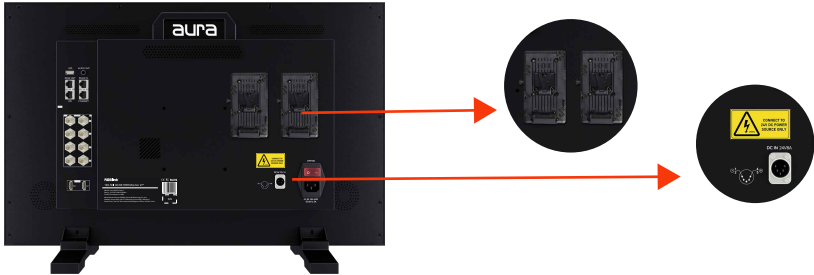


# VESA mounting points

aura UHD 24 Gen2 comes with 100 × 100mm VESA mounting .  
 aura UHD 27 Gen2 & aura UHD 32 Gen2 each come with 100 × 100 and 200 × 200mm VESA mounting points.  
 you can easily hang it on articulated arm or wall for a busy newsroom.  
 Note: articulated arm is not supplied.

# Power Supply

aura Gen2 24' comes with 24V/8A DC  
 aura Gen2 27' and 32' comes with 24V/10A DC  
 Power input is convenient to receive mobile power supply Optional : V mount battery plate Compatible with universal v mount battery.



# Specification

## aura UHD Gen2 Series 4K/8K HDR Monitor

Model	aura UHD 24 Gen2	aura UHD 27 Gen2	aura UHD 32 Gen2
<b>Physical</b>			
Net Weight	8.6 kg	11.4kg	15.3kg
Packaged Weight	12 kg	15.3 kg	21.3 kg
Net Dimension	571.7 × 160 × 414.85 mm	661 × 446 × 179 mm	750 × 566 × 168 mm
Packaged Dimension	800 × 250 × 555 mm	890 × 270 × 595 mm	930 × 300 × 640 mm
<b>Performance</b>			
Size	23.8 inch	27 inch	32 inch
Brightness	1000 cd/m2	800 cd/m2	1000 cd/m2
<b>Power</b>			
Power Consumption (Max)	90 W	98 W	140 W
Input Voltage	AC100~240V 50/60Hz	AC100~240V 50/60Hz	AC100~240V 50/60Hz

### Connectors

Input	12G-SDI	4 × BNC
	HDMI 2.0	2 × HDMI-A
	SFP	12G Fiber
	Type-C/Thunderbolt3	1 × USB-C (only available on models with studio)
Output	12G-SDI	4 × BNC

### Performance

Panel	Type	LCD IPS Panel
	Resolution	3840 × 2160
	Pixel Pitch	0.1369 (H) × 0.1369 (V) mm
	Aspect Ratio	16:9 Backlight LED
	Contrast Ratio	1200:1 (27") 1000:1(24'/32')
	Color Depth	10bits(1.07B)
	Image Processing	12bits
	Response	9ms
	Viewing Angle	178°/178°

### Performance

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 × RJ45
	Seria port	RS-422, 2 × RJ-45 (1 in   1 out)

### Video Signal Format

#### SDI Signal Format

SMPTE-425M-A/B:1080p@50/59.94/60;  
SMPTE-274M:1080p@23.98/24/25/29.97/30;  
SMPTE-296M:720p@50/59.94/60;  
SMPTE ST 2036-1:2009:3840×2160p@23.98/24/25/29.97/30/50/59.94/60;  
SMPTE ST 2048-2:2011:2048×1080@23.98/24/25/29.97/30p/psf,  
47.95/48/50/59.94/60p;  
SMPTE ST 2081:3840×2160p@24/25/30;  
SMPTE ST 2082:3840×2160p@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;

### Environment

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

### Order Codes

Product Code	Item
410-2380-01-0	aura UHD 24 Gen 2
400-2380-01-1	aura UHD studio 24
400-2700-01-0	aura UHD 27 Gen 2
400-2700-01-1	aura UHD studio 27
400-3200-01-0	aura UHD 32 Gen 2
400-3200-01-1	aura UHD studio 32

