

# FRONTNICHE

## 12G - 6G - 3G

**Ultra Enigma 24" HDR UHD Monitor with 12G-SDI  
Single & Quad Link I/P's**



## FEATURES

- HDR (High Dynamic Range) display function with several ST2084 and HLG curves.
- Demo mode for HDR/SDR comparison.
- Lightillusion Calibration Software with Probe for 3D 'Look up Table' Generation.
- 2x BNC 12G-SDI with their respective loops for Single-Link UHD and 4K signals display.
- 4x BNC 3G-SDI for 4K and UHD signals display with Quad-Link.
- 4K 10 bit Quad image processing in "Square Division" and "2-Sample Interleave" formats.
- DCI 2.0 inputs (not compatible with HDCP) allowing for resolutions up to 2160p60.
- Monitor remote control through Ethernet port using IP protocol.
- Color space selection (3-D LUT) EBU, NTSC, SMPTE-C, REC709 and D-CINEMA.
- Color temperature selection: 3200K, 5500K, 6500K and 9300 K.
- Firmware upgrade via USB port. Remote control through GPI port (RJ45 connector).
- WaveForm and Vectorscope.
- Audio level meter for up to 16 channels.
- Peaking filter and False Colour.
- LTC and DVITC time-code display.
- Closed Caption according to 608 ANC, Transcoded 608 and CC708.
- Blue Only / Mono.
- Several marker formats with adjustable transparency and color: 4:3, 16:9, 14:9, 13:9, 2.35:1, and 1.85:1.
- Safe Area: 80%, 85%, 88%, 90%, 93%, 95%, EBU Graphic, Action.
- Center Marker with three selectable sizes.
- H/V Flip function.
- Aspect ratios: 4:3, 16:9, 15:9, 14:9, 13:9, 1.85:1, 2.35:1, 1:1, native.
- External power supply.
- 55" & 31" versions also available.

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Specifications are subject to change without prior notice. E&OE.


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#### Back Panel



- 4 SDI, input/output pairs with signal presence LED. They may operate as:
  - 2 x 12G-SDI switchable inputs, each one featuring its own follower output.
  - 4 x 3G-SDI inputs for 4K Quad-Link inputs, with its corresponding Quad-Link follower output.
-  One DCI (Digital Components Input) connector supporting resolutions up to 2160p60.
- One RS 232C serial port.
- One RJ45 connector for GPI (general purpose input).
- One RJ45 connector for Ethernet control.
- A pair of RS 422 input and follower connectors for UMD/IMDI.
- One USB connector for Firmware upgrade



#### Front Control Panel

- Power switch
- 14 control and quick-access keys.
- Navigation encoder.
- Front tri-colour Tally .
- Headphone connector.
- 2 speakers.

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SPECIFICATIONS	FN4K24
Active Area (Diagonal)	23.8" / 604.7 mm
<b>MODES</b>	
Video Modes	3840 x 2160 (23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60p) 2048 x 1080p (23.98 / 24) 1920 x 1080p (50 / 60 / 30psf / 25psf / 24psf / 30 / 25 / 24) 1920 x 1035i (60 / 59.94) 1920 x 1080i (50 / 59.94 / 60) 1280 x 720p (24 / 25 / 30 / 50 / 59.94 / 60) DCI  720p / 1080p / 2160p
<b>INPUTS</b>	
Digital Video Inputs(SDI)	12G / 3G / HD SDI
Digital Video Inputs DCI	SMPTE ST 2082-10 / SMPTE 424 & 425 / SMPTE 292M / 296M. (It does not support dual link) Up to 2160p DCI  (Not Supported 4:2:0 Color Format)
<b>PICTURE</b>	
Aspect Ratios	Full Screen, 16:9, 4:3, 14:9, 13:9, 1.85:1, 2.85:1, Pixel to Pixel
Pixel (RGB Trio) Arrangement	3840 H x 2160 V Pixels (8,294,400 Pixels, 16:9)
Pixel (RGB Trio) Pitch, Depth	0.13725 mm x 0.13725 mm 1.07 Billion colors 8-bit + A-FRC
Brightness, typical	350 cd/m2
Contrast Ratio	1000:1
Color Processor	10 bit color Processor
Viewing Angle, contrast>10:1	R/L 178(Typ.), U/D 178(Typ.)
Panel Response Time	14 ms (G to G)
<b>CONTROLS</b>	
User Controls	ST-BY, SDI1, SDI2, 2SI, QUAD, HDMI, F1 ~5, MENU, UP, DOWN, SEL / INPUT
Remote Controls	IR, TCP/IP, RS-422, RS-232 LIGHT
<b>LIGHT</b>	
Light Source (standard)	Light Emitting Diode Backlight System
LED Life	30,000 hrs (Min)
<b>CONNECTORS</b>	
SDI Video Connectors	BNC x 8 SDI : 2 12G input / output, 4 3G QUAD-link input / output
DCI Connectors	1 Input, format 
<b>DISPLAY</b>	
Window (Display Area)	20.74 x 11.59" / 527.04 mm x 294.46 mm
<b>POWER, DIMENSIONS &amp; MISCELLANEOUS</b>	
DC Power	24 VDC ±10%,
DC Connector	XLR-5M (Pin 1,2=GND, Pin 4,5=+Volts)
AC Power (detached power supply included)	100-240 VAC, 50/60 Hz
AC Power Connector:	IEC 320-C14 3 pin Male
Cabinet Dimensions	452 x 376 x 56 mm
Weight	5,2 Kg
Operating (full spec)	0 / +50°C, no condensation, 0 - 3000 m (0 - 10,000 feet)
Storage	- 20 / +60°C, no condensation, 0 - 12000 m. (0- 40,000 feet)

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