

FRONTNICHE

12G - 6G - 3G

**Ultra Enigma 31" HDR 4K/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.
- 24" & 55" UHD versions also available.

Frontniche Ltd, Circuit Bureau Building, Unit 5 Factory Lane, Beeston, Nottingham, NG9 4AA.

Tel: +44 (0)1949851486 Fax: +44(0)709262114

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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	FN4K31
Active Area (Diagonal)	31" / 787.7 mm
MODES	
Video Modes	4096 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
INPUTS	
Digital Video Inputs(SDI)	12G / 3G / HD SDI SMPTE ST 2082-10 / SMPTE 424 & 425 / SMPTE 292M / 296M. (It does not support dual link)
Digital Video Inputs DCI	Up to 2160p DCI  (Not Supported 4:2:0 Color Format)
PICTURE	
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	4096 H x 2160 V Pixels (8,847,360 Pixels, 17:9)
Pixel (RGB Trio) Pitch, Depth	0.0567 mm x 0.1701 mm 1.07 Billion colors 10bit
Brightness, typical	400 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)
CONTROLS	
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
LIGHT	
Light Source (standard)	Light Emitting Diode Backlight System
LED Life	30,000 hrs (Min)
CONNECTORS	
SDI Video Connectors	BNC x 8 SDI : 2 12G input / output, 4 3G QUAD-link input / output
DCI Connectors	1 Input, format 
DISPLAY	
Window (Display Area)	27.43 x 14.46" / 696.73 mm x 367.416 mm
POWER, DIMENSIONS & MISCELLANEOUS	
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	736 X 552 X 56 mm
Weight	8,7 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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