Pluma
HDR | 3G SDI | MULTIVIEW
Pure colour. Built to Last.
CRALTECH

ULTIMATE CLARITY

23.8” HDR MONITOR • 625 NITS

PLUMA 3G SERIES is a professional line of LCD monitors featuring 2 x 3G/HD/SD-SDI and 1 x HDMI, and two user-configurable BNC connectors that can be set as inputs for 4 x 3G-SDI Quad-Mode display, or used as active loop-throughs for SDI 1 and 2.

Powered by a next-generation 12-bit image processing engine, the series integrates advanced HDR pre-visualization (HLG, PQ, S-Log) and 3D LUT management for precise color reproduction. Its rugged, ultra-light aluminum chassis features wide viewing angles and an energy-efficient design that ensures low operating temperatures.

FHD 1920x1080 · SDI 3G Inputs · HDMI 2160p/60Hz Ready Inputs · Multiview · 16 Channel Audio Level Meters · Waveform Vectorscope · Colour Space · Remote · 3D LUT · HDR · Markers · Tally · Alarms · ATC · Colour Temperature · UMD

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FLEXIBILITY

YOUR SOURCES. YOUR LAYOUT.

DYNAMIC QUAD-VIEW WITHOUT LIMITATIONS

Equipped with **four BNC SDI connectors**, PLUMA Monitors offer ultimate configuration flexibility.

Connectors 2 and 4 can be independently set as **inputs or outputs** to easily display four 3G-SDI inputs in a **dynamic Quad-View Layout**, with seamless toggling between SDI Input 4 and the HDMI source in Quadrant 4.

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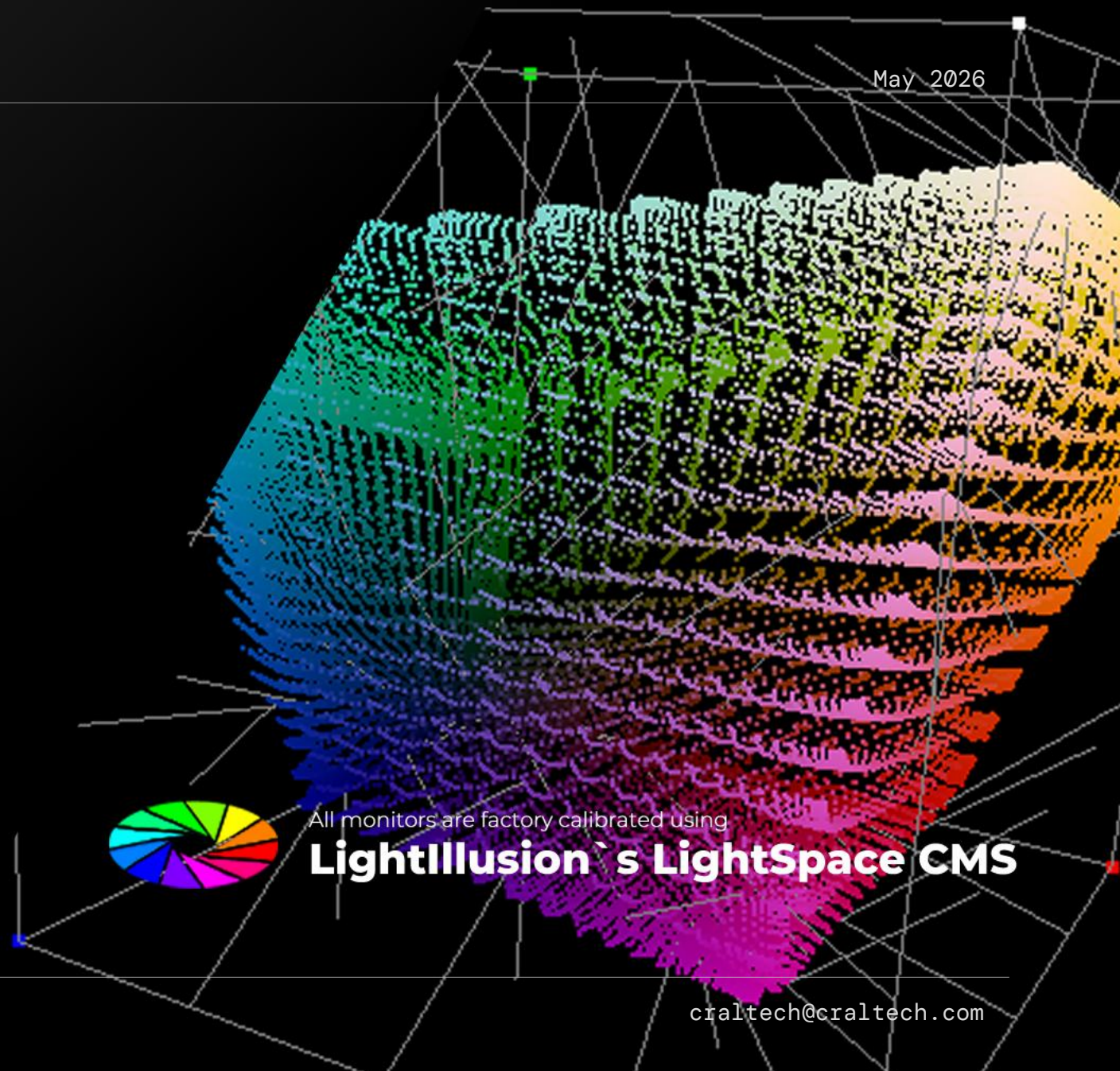
THE ART
OF MATHEMATICAL COLOR

HDR Pre-visualization (HLG, PQ, S-Log) and 3D LUT Color Management options ensure accurate reproduction of all standard sources (Rec.709, EBU, SMPTE-C, BT.2020, and DCI) as well as custom color spaces.

Powered by a advanced **tetrahedral LUT interpolation engine** with 4,913 precision points (17x17x17), it delivers an unprecedented level of color accuracy and seamless grayscale gradations.



All monitors are factory calibrated using
LightIllusion`s LightSpace CMS

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FIDELITY
WITHOUT COMPROMISE

Designed for demanding production environments, the **PLUMA Series** offers an all-in-one feature set for ultimate signal accuracy. From real-time Waveform and Vectorscope analysis per input (SDI 1 & SDI 2) to 16-channel audio level meters with alarms, every tool is built for precision.

Operators benefit from advanced workflow features including multi-channel UMD, Tally, Blue Only mode, comprehensive aspect ratio markers, and professional color temperature adjustments (5600K, 6500K, 9300K) alongside customizable RGB Gain and Bias.

ALL THE PRECISION TOOLS YOUR PRODUCTION DEMANDS

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Core Features

- **2 x 3G/HD/SD-SDI Autosensing inputs and 2 x 3G/HD/SD-SDI free configurable as Input or Outputs, and 1 x HDMI Input**
- LED Backlight (reduced power consumption)
- 12 bit video processing engine
- Wide viewing angle
- 3D LUT for color manegement. Rec709, EBU, SMPTE-C, BT.2020, DCI and custom color spaces.
- HDR pre-visualization. Preview modes: HLG, PQ, SLOG
- Brightness, Contrast, Saturation adjustment
- Colour temperature adjustment and Gamma correction
- Blue Only / Monochrome, Aspect Ratio Selection (4:3, 16:9)
- Markers and safety áreas, ATC Time code (SDI)
- Backlight adjustment
- Stereo Speakers Audio output
- No audio, Silence, No input and Black image on screen alarms
- Real time colour Waveform and Vectorscope
- 16 Channel Audio Level Meters
- 16 characters UMD and video format information
- Tally and UMD, TSL 3.1 and 5.0 compatible
- Quick control: Easy to use double function keyboard with 5 user configurable direct keys and encoder
- Free user friendly control software (SNMP compatible)

CM238PB

Display Size	**23.8”**
Resolution	**1.920 X 1.080**
Viewing angle	89,89,89,89
Brightness	625 cd/m2
Contrast	1000:1
Color Depth	16.7 M colors
3G/HD/SD-SDI inputs	**2 x BNC Inputs and 2 x BNC Input/Output Configureable** **Supported resolutions:** 1080p (60 / 59.84 / 50 / 30/ 29.97 /25 / 24 / 23.98 / 25sF / 24sF/ 23.98sF), 1080i (60 / 59.94 / 50), 720p (60 / 59.94 / 50), 480i (59.94), 576i (50)
HDMI input	1 x 4K Ready HDMI (Not HDCP Support)
Audio IN	Embedded Audio 16 Channels Audio Level Meters
Audio out	Analog Stereo (Phone Jack) Stereo Speakers
UMD and Tally	On Screen Tally and 16 character UMD
Remote control	Etherent
Chassis	Aluminium. Black Powder Coat
Dimensions	557 x 366 x 65 mm
Weight	5.5 Kg
Power Consumption	48W
Power supply	12V

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