# Pluma
## B R I G H T
## 21,5" Production Monitor
### 3G SDI | HDR | 1.500 Nits



## 21.5" HDR PREMIUM BROADCAST MONITOR

CM215PB is a versatile professional Monitor designed to fit any production scenario. Featuring 1.500 nits bright and ultra-light weight aluminium design, this monitor is the best solution for any broadcasting video application.

The CM215PB features 2 x 3G/HD/SD SDI Input connectors and 2 x 3G/HD/SD SDI BNC connectors free configurable as inputs or active loops through. With QUAD Mode, use this capability to display 4 SDI sources at same time. The monitor integrates an HDMI input too, offering maximum flexibility.

With our superior quality 12 bit image processing engine, 8 bit panel, HDR visualization options and 3D LUT color management options the monitor offers accurate reproduction of all standard sources.

The rugged and lightweight aluminium design and wide viewing angles display, makes them easy to integrate, and our energy-efficient board design and LED backlight grant low temperature while working.

## QUAD VIEW



**Configurable SDI Connectors**

PLUMA Monitors integrate 4 x BNC SDI connectors.
Connectors 2 and 4 can be set as Inputs or as Outputs.
Select to use them as inputs and display on screen
4 x 3G SDI inputs in QUAD VIEW LAYOUT.
With maximum flexibility, cuadrant 4 can be
configured to display SDI Input 4 or the HDMI source.

## Features:

- **2 x 3G/HD/SD-SDI Autosensing inputs & 2 x 3G/HD/SD-SDI free configurable as Input or Outputs**
- **1 x HDMI Input**
- LED Backlight (reduced power consumption)
- **12 bit video processing** engine
- 1920 x 1080 resolution and **Brightness: 1.500 cd/m²**
- Wide viewing angle
- **3D LUT** for color manegement. Rec709, EBU, SMPTE-C, BT.2020, DCI and custom color spaces.
- Cost-effective **HDR pre-visualization**. Preview modes: **HLG, PQ, SLOG**
- **Quad Mode** visualization
- Brightness, Contrast, Saturation adjustment
- Colour temperature adjustment and Gamma correction
- Blue Only / Monochrome
- Aspect Ratio Selection (4:3, 16:9)
- Markers and safety areas
- 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)
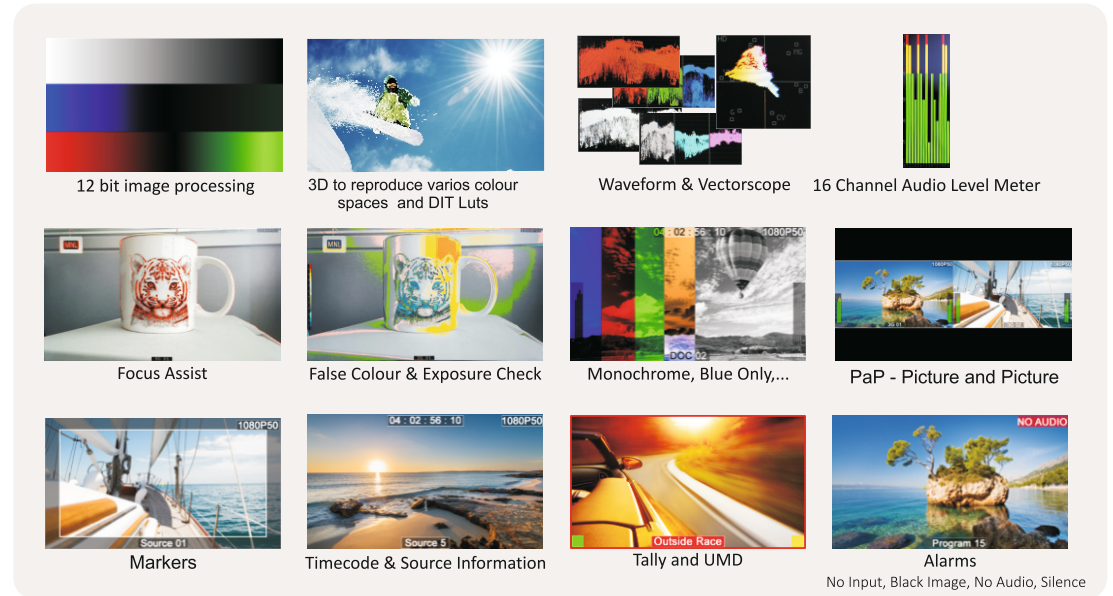- Rugged and lightweight aluminium design

# ALL THE PROFESSIONAL FEATURES YOU NEED



These monitors have all professional features and adjustments as UMD and Tally, Blue Only, Aspect Ratio Selection, Markers, Real time color Waveform and Vectorscope per input (SDI 1 and SDI2), 16 Channel Audio Level Meters, Alarms, Timecodes, backlight and color temperature adjustment (5600K, 6500K, 9300K, and RGB Gain and Bias adjustment), and more.



| | | | |
|---|---|---|---|
| 12 bit image processing | 3D to reproduce varios colour spaces and DIT Luts | Waveform & Vectorscope | 16 Channel Audio Level Meter |
| Focus Assist | False Colour & Exposure Check | Monochrome, Blue Only,... | PaP - Picture and Picture |
| Markers | Timecode & Source Information | Tally and UMD | Alarms<br>No Input, Black Image, No Audio, Silence |



**HDR & 3DLUT Display Calibration**

**HDR Pre-visualization (HLG, PQ, SLOG)** and 3D LUT Color Management options for accurate reproduction of all standard sources (Rec709, EBU, SMPTE-C and DCI) and custom color spaces.

With our **tetrahedral LUT interpolation engine** of 4.913 points (17x17x17) that offers a higher degree of precision for accurate reproduction.

All monitors are factory calibrated using **LightIllusion`s LightSpace CMS**

## Ergonomic and Rugged Design



**Soft buttons** with dual functionality (fixed/configurable) and **encoder** to easy navigate through the OSD menu. Activate [Fn] Mode and access your favourite adjustments just with a press. Keys LED lights can be turned off if required for dark environments.

## Specifications — CM215PB

| Specifications | CM215PB |
|---|---|
| Display Size | 21.5" LED Backlight (AHVA Technology) |
| Resolution | 1920 X 1080 |
| Viewing angle | 178,178 |
| Brightness | 1.500 cd/m² |
| Contrast | 1000:1 |
| Color Depth | 16.7 Million |
| 3G/HD/SD-SDI inputs | 2 x BNC Inputs and 2 x BNC Input/Output Configureable<br>Supported resolutions: 1080p (60 / 59.84 / 50 / 30/ 29.97 /25 / 24 / 23.98 / 25sF / 24sF/ 23.98sF),<br>1080i (60 / 59.94 / 50), 720p (60 / 59.94 / 50), 480i (59.94), 576i (50) |
| HDMI input | 1 HDMI (Not HDCP Support) |
| Audio IN | Embedded Audio. 16 Channels Audio Level Meters |
| Audio out | Analog Stereo (Phone Jack) and Stereo Speakers |
| UMD and Tally | On screen tally, and 16 characters UMD |
| Remote control | Ethernet |
| Chassis | Aluminium. Black Powder Coat |
| Dimensions | TBD |
| Weight | TBD |
| Power Consumption | TBD |
| Power supply | 24V |
| Accessories | AC215S: Stand<br>AC215R: 19" Rack Support |

Specifications are subject to change without prior notifications