

# plura<sup>®</sup> NEW PRODUCTS



## Ember +

Ember+ is an open source control system that was initiated by Lawo Group. The Ember+ control system is widely utilized and implemented in many broadcast facilities at different levels in our industry. Based on multiple requests we now can confirm that Plura PBM-3G, PBM-4K & SFP-H monitors have an Ember+ control module option. This option can be fitted with the purchase of the monitor or field fitted at later time. This option will all allow Plura monitors to interact with Lawo or any other Ember+ compliant control systems. The integration of this option open source protocol system into Plura monitors will allow current and future Plura users to control Plura monitors from a single control panel. The Plura with Ember+ control system can provide the following advanced features:

- Easy implementation for new programmers
- Minimal hardware requirements for controlled devices
- Possibility to be used on a wide range of hardware platforms, from basic micro controllers to powerful PCs.
- Minimal development effort required to control Plura monitors once Ember+ is implemented.



PTP module C3 IEEE



## PTP - IEEE 1588-2008 V2

Plura adds the NEW C3 IEEE 1588-2008 PTP V2 module to the integrated RUBIDIUM modular system family. "The PLURA RUBIDIUM SERIES PTP module C3 is the most advanced and universal solution to handle PTP signals for any broadcast and non broadcast systems. The module can be configured into multiple applications such as PTP Grandmaster, PTP Grandmaster with PTP fallback, PTP Slave, PTP boundary clock, PTP boundary clock with GPS or IEEE 1588 client OCXO oscillator. C3 comes with two 10MHz outputs, which can be synchronized with any third party SPG system." The C3 offers a variety of monitoring and control capabilities and can be implemented into the most advanced and fail-proof redundant systems. C3 module is equipped with 10/100/1000 Base-T PTP Ethernet port, SMPTE 2059-2 compatible, Two 10 MHz outputs, third output available as an option, PPS and time and date data string reference output, Additional unbalanced and balanced PPS output, Leap year / second compatible, SNMP ready, Hot swappable, Failure relay, TC\_link with other Rubidium frames compatible, Surge Voltage protector and UMID data capable.

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PBM-324-4K

New PBM-4K / UHD Monitor Series  
Screen Sizes 17", 24", 32", 43", 55", 65"

**True 4K HDR  
and SDR, peak  
luminance up to  
1,000cd/m2**



## PBM-4K Series

PBM-4K-UHD Series, which supports up to 4096 x 2160 resolutions, focuses on delivering the highly detailed, accurate color representation and stunning picture consistency that high-end production applications require. The PBM-4K series offers HDR Display capabilities supporting PQ (ST-2084) & HGL standards. The series also adopts the exceptionally slim form factor that Plura customers enjoy, ensuring that even the largest 4K monitors in the portfolio demand a modest slice of real estate. The PBM-4K UHD Series supports ST 2082, ST2110, ST2022, and other earlier industry standards. 2 x 12G/3G/HD/SD-SDI inputs with active loop, 2 x SFP+ inputs & HDMI 2.0. PIPM "Plura Software Stack IP Platform" based on a powerful computing core and utilizing standard 10G/s SFP+ module is available as an option.

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SFP-324-H  
Series Screen Sizes  
17" 24", 32", 47", 55", 65", 84"



## SFP-H with Smart Service Telemetry & Scalable IP Monitoring Solution

The NEW FUTURE PROOF SFP-H, Hybrid Monitor Series, supporting Coax, Fiber & IP connectivity. The SFP-H is integrated with powerful H/W & S/W platforms to support Coaxial 3Gb/s BNC I/O connectivity, Coaxial SFP I/O connectivity, IP SFP+ over Fiber decoding "ST-2110 & ST-2022" with Third-Party H/W decoder and the NEW PIPM "Plura Software Stack IP Platform". The new PIPM is integrated and optimized with Ember+ and ability to automate and provide Smart Service Telemetry Platform on the display. Such as smart SCOPE or any other third-party telemetry platform.

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## Integrated OLED



PRM-224-3G-O



## PRM-224-3G-O

New PRM-224-3G-O offers an elegant slim design integrated with a Grade A -10 bit OLED 24.5" panel and delivers outstanding black performance, very fast response time for smooth video with virtually NO motion blur, High contrast of 5000:1, wide viewing angles, accurate color reproduction and quality picture consistency that meets all your HD & SD Monitoring applications.

It also features HDR (High Dynamic Range) capabilities supporting PQ (SMPTE ST 2084) & HLG (Hybrid Log Gamma), LKFS AUDIO Measurement - Digital Loudness Audio Metering with selected channel measurement in LKFS scale, Automatic Calibration & Alignment, Dual Display W/ Dual W/F & VT, Adjustable Colormetry and Gamma Correction.

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MTD-ID in combination with a TCU



MTD-ID



## MTD-ID

MTD-ID is an intelligent 4.3" Multi-Time ID Display that provides the SPT and/or TCU operator with all timing related information within the production environment in one place. The MTD-ID is a unique solution and convenient method to display 7 different timers at your finger tips in a close proximity.

The MTD-ID is an easy add-on tool with Plura TCU (Timer Control Unit) and/or SPT (Studio Production Timer). The MTD-ID screen is divided into 7 different programmable sections, each section can display one of the available Timers (A to F), local real-time, additional time zones and/or Date. The timers color are programmable (Red, Green or Yellow).

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