PROGRESSIVE PULSE

Progressive Pulse

Discover the future of Progressive Jackpot Management—as automated meter readings drive precision, savings, and new marketing opportunities.

DESCRIPTION

Our **Progressive Jackpot Meter Reading Solution** revolutionizes the way casinos track and report jackpot values, eliminating the need for manual recordings. By leveraging the power of **Raspberry Pi 5**, **OCR technology**, and **real-time data validation**, our system automates jackpot tracking across an entire casino floor. This ensures regulatory compliance, reduces labor costs, and enhances accuracy by capturing and storing jackpot values from slot machines in a centralized, digital format. The solution integrates seamlessly with existing casino management systems, providing a modern approach to progressive jackpot monitoring.

FEATURES

- **Automated Data Capture** – OCR-powered image recognition extracts progressive jackpot amounts from slot machine video.

- **Operational Ease of Use** – Simplified workflows to accept or reject OCR readings with a single click.

- **Operational Alerts** – Triggers instant alerts to casino personnel keeping staff informed of key changes and system health.

- **Comprehensive Reporting** – Generate compliance reports in accordance with gaming regulations

- **Casino-wide visibility** – Historical & current views across all connected progressive games.

- **Secure by Design** – Fully compliant with GDPR, PCI DSS, and gaming regulations to securely store jackpot history for compliance reporting and auditing.

- **Customized Dashboards** – A sleek, operator-focused interface delivering real-time progressive values, trends, and analytics.

- **Seamless Integration** – Works with casino IT infrastructure, including **Active Directory authentication**.

    - **Manufacturer Agnostic** – Works with Light and Wonder, IGT, Aristocrat, Aruze, AGS and many others.

Stay Compliant - Automatically

Meeting regulatory requirements for progressive jackpot tracking can be a resource-draining process. Traditional methods demand that staff manually record jackpot values from hundreds—or even thousands of progressive meters every single day. With Progressive Pulse, this tedious task of manually reading and recording meters becomes a thing of the past.
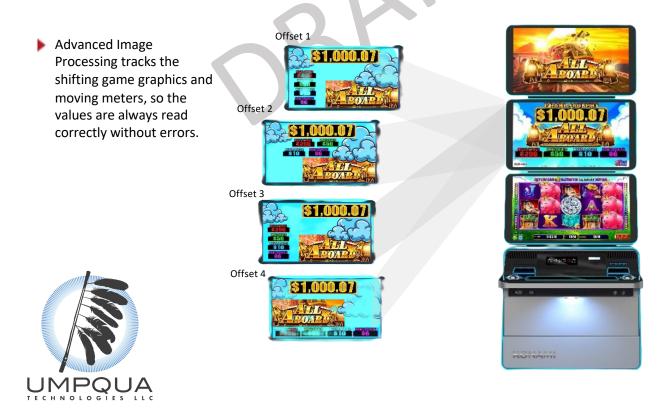

Image Processor

Progressive Meter Logs

The Progressive Pulse system captures and logs progressive meter data in real time, ensuring full compliance with regulations such as Nevada's MIC #162 and #163.

Advanced Technology

The Progressive Pulse system captures progressive meter values directly from a game's video stream, processed locally with unprecedented speed and precision. By leveraging advanced hardware interfaces this system ensures seamless video data extraction without compromising game performance.

▶ Advanced Image Processing tracks the shifting game graphics and moving meters, so the values are always read correctly without errors.

Offset 1

Offset 2

Offset 3

Offset 4

TECHNICAL DESCRIPTION

The video stream from the game's main backplane board is shared between the game's top monitor and the Progressive Pulse' Meter Capture device (PPMCD). All progressive meters presented on the game's display are mapped to image capture software within the (PPMCD). Periodic meter readings are then pushed upstream to a secure database for processing.

TOP BOX VIDEO STREAM → TOP BOX MONITOR

Video Splitter → Image Processor → Extracted Numeric Values → SYSTEM

> $12,500.04
> $1,250.10
> $250.00
> $62.50
> $25.00

BENEFITS

▶ **Eliminates Manual Errors** – Automates jackpot recording, reducing human error and regulatory risks.

▶ **Elevates Player Experience** - Delivers real-time progressive values to encourage engagement

▶ **Cuts Labor Costs** – Frees up staff from manual data entry, allowing casinos to reallocate resources.

▶ **Ensures Compliance** – Meets **NV MICS** and other gaming regulations by digitally logging progressive jackpots.

▶ **Flexible User Access** – Runs on any device supporting current browser technology and HTML-5

▶ **Enhances Security** – Secure data storage and transmission protect jackpot records from tampering.

▶ **Scalable and Future-Proof** – Easily integrates with **existing casino IT infrastructure**, supporting hundreds of machines.

Contact your **Umpqua Technologies** Account Executive for further information.

Umpqua Technologies LLC
455 SE Spruce Street
Roseburg, OR 97470
541.492.5277

www.Umpqua.net