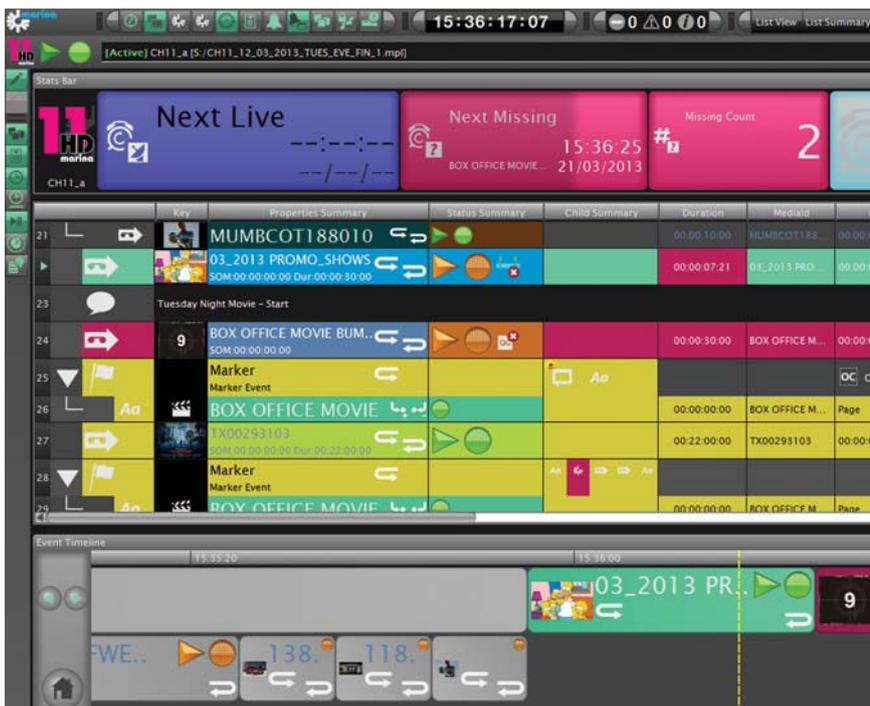




World Class Automation at an Entry Level Price



Marina Lite is the powerful and compact new automation solution from Pebble Beach Systems which is optimised to control up to 6 channels. Drawing on the strengths of the widely adopted Marina enterprise level automation platform, Marina Lite gives you best of breed functionality at an entry level price.

Based on a 64-bit client-server architecture, Marina Lite is a robust and resilient solution designed to control legacy products and platforms as well as emerging solutions such as channel-in-a-box technologies within video, IT and hybrid infrastructures. The system is scalable from 1 to 6 channels, and each configuration is available as a fully redundant version.

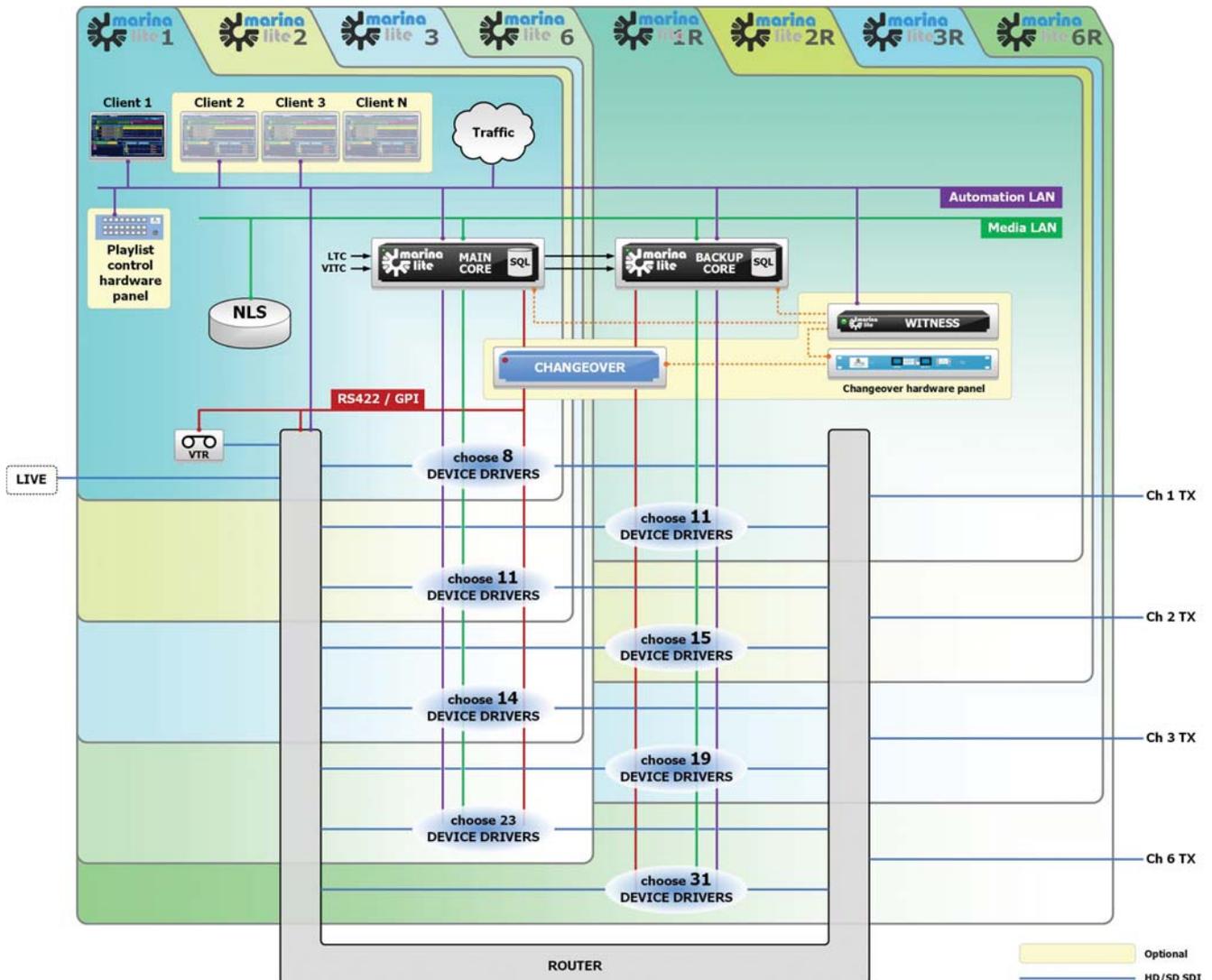
Key Features:

- Provides enterprise class automation control for systems of up to 6 channels
- Enables control of up to 31 third party devices, via serial, IP or GPI interfaces
- Offers an upgrade path from 1 up to a maximum 6 channels, and also to full Marina enterprise automation when channel and device counts increase
- Unicode compliance enables operation in multiple languages including Arabic, Chinese and Japanese
- Includes automatic media caching from nearline storage to the main server, to both main and backup servers in redundant systems, or optionally from archive systems such as Oracle DIVA, SGL FlashNet, Masstech.
- Deploys a Microsoft SQL database for media tracking and status.
- Enables file import from proven traffic interfaces, including a BXF interface to the Myers ProTrack system. An Excel importer is also provided.
- The offline prep list enables the creation of on air schedules, providing a view of all available clips both in transmission and nearline storage systems
- Redundant configurations offer fully automatic changeover.
- Migration Packs available to ensure smooth upgrade from legacy systems, including meta-data import (one-shot and live update for parallel running), and legacy playlist and asRun support.

Marina Lite Packages

| | Marina Lite1 | Marina Lite1R | Marina Lite2 | Marina Lite2R | Marina Lite3 | Marina Lite3R | Marina Lite4 | Marina Lite4R | Marina Lite5 | Marina Lite5R | Marina Lite6 | Marina Lite6R |
|--------------------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
| Playlist | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| Air Protect | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 |
| Off-Air Preparation List | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Preview List | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Scheduled Record List | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SQL Licence | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Schedule Importer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Max DeviceDrivers* | 8 | 11 | 11 | 15 | 14 | 19 | 17 | 23 | 20 | 27 | 23 | 31 |
| Client Licence | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Marina Lite Configurations



Advanced Control Functionality

The successful Marina automation platform currently controls in excess of 300 channels at leading broadcasters and service providers worldwide, and Marina Lite benefits from its sophisticated and configurable control layer.

The client-server architecture enables multi-channel control from a single operator position, with clear visibility of multi-channel operations for efficient channel management. Thanks to the customisable look and feel, users can specify how their screen layout looks and reload their preferences when they log on.

'SmartList' Playlist Technology

– delivering enterprise level playlist intelligence



SmartList

The playlist enables the control of highly reactive channels with frequent late scheduling changes, and can handle multiple event types (live, clips, CG, subtitles, DVE, AFD, voiceovers), multiple classifications (commercials, promos, live, news), different event start and end types (timed, manual, sequential), as well as overrunning or underrunning events.

Changes to the list can be made close to air, and drag and drop functionality makes the system intuitive and simple to use.

All primary, secondary and tertiary events in the playlist are automatically and continuously checked for availability and timing anomalies. QC status and classification of events are also checked to guard against unverified or inappropriate materials being broadcast.

Auto Promo Graphics Generation

Marina Lite's optional 'Auto Promo' tool removes the need to create multiple 'Now Next Later' graphics, and safeguards the integrity of channel information graphics for broadcasters who have to deal with late-breaking changes. Immediately prior to a graphic going on air, Marina Lite dynamically sources data from multiple playlists simultaneously, extracting the most up to date programme information. Configurable templates are then populated with accurate start times, titles, preview clips and images, so that last minute schedule changes can be displayed without the need to manually generate new graphics.

SmartPanel

The optional SmartPanel enables frequently used features to be isolated onto a customisable on-screen panel with dedicated buttons e.g. to display or clear a station ident or sponsor logo.

The operator can take manual control of both Marina Lite and external devices, and in addition to the tangible operational advantage of a single operator having



this level of device control within the automation client, the Smart Panel brings system management benefits by improving reporting and traceability, as commands made via the SmartPanel are incorporated into Marina Lite's AsRun log.

Comprehensive User Rights Management

Comprehensive user rights management tools give unprecedented control over access and privileges to different areas of the system. Engineering, Operator and View Only privileges are simple to reconfigure, and include the control of encoders and decoders, the ability to access and transfer media to and from near line storage, control and editing privileges for the playlist, and customisation of the user interface.

User privileges and access to specific functionality can be set on a per channel basis.

Scalability, Redundancy, Upgrade Path

The system is scalable from 1 to 6 channels. Each configuration is available as a redundant version, with fully automatic changeover. Playlists are synchronised dynamically, with any manual intervention on the list being reflected in the mirrored list almost instantly. For further resilience, media is transferred from nearline storage to both the main and redundant system, and databases are mirrored across both systems.

If the number of devices to be controlled should grow, or the channel count needs to increase, the entire system can be upgraded to the full Marina enterprise solution.

Options

- SmartPanel
- Auto Promo Generation
- Hardware Control Panel for single or multiple playlist control
- Changeover Switch for redundant serial configurations, and Remote Control Panel

- Additional Client Licences for playout, ingest or archive

Physical

With up to 6 channels hosted in a single 2RU frame, Marina Lite delivers space and power-saving benefits. Two servers are required for redundant configurations.

Minimum client specification is: Intel i7 Multi Core processor, 8GB RAM, 250GB HDD space, 1GB Ethernet, dual headed graphics card with dedicated memory, large widescreen monitor with minimum resolution 1680x1050.



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