

# NAVORI QL MANAGER

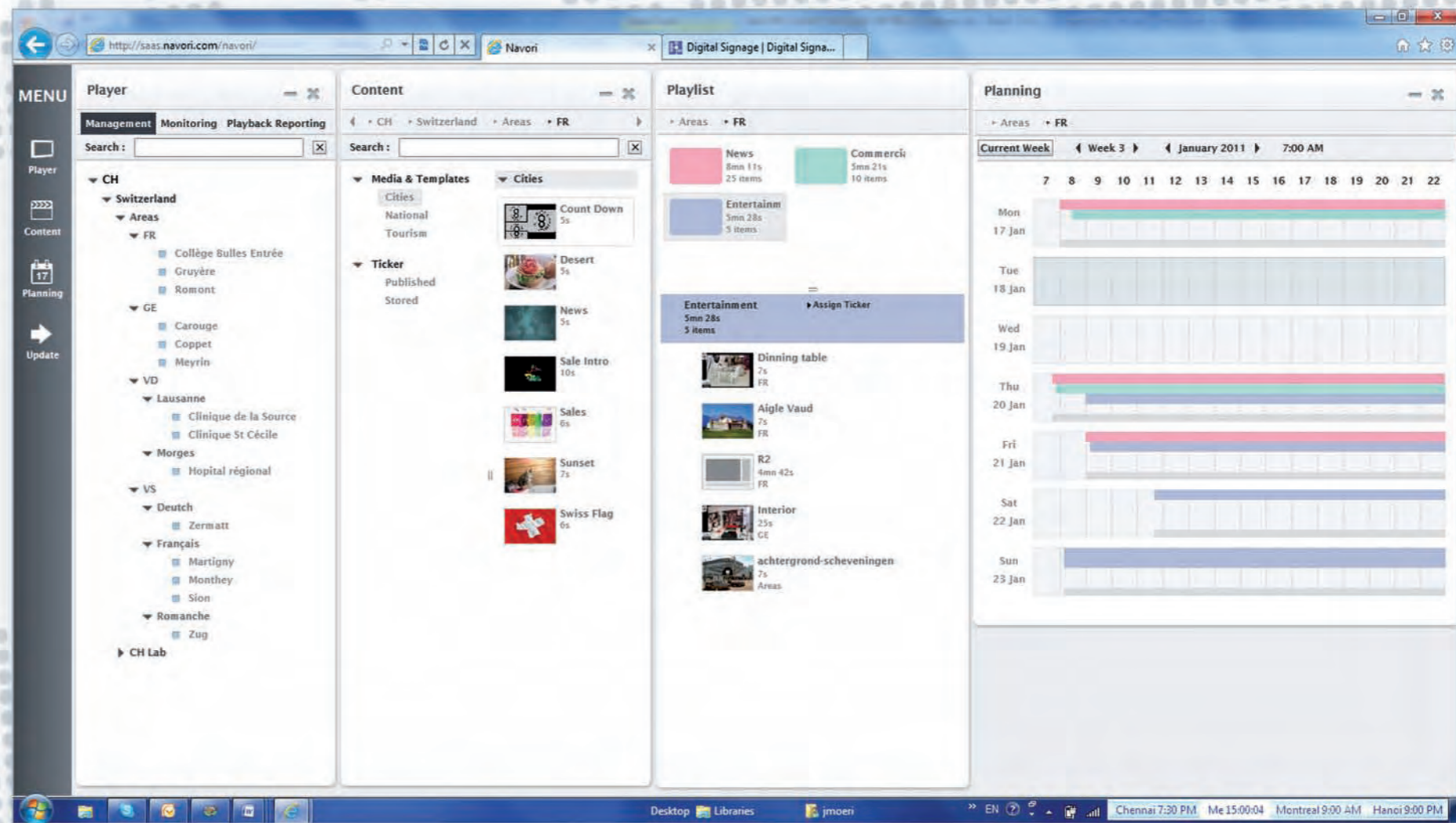
Setting a new standard in the Digital Signage Industry

 NAVORI

## NAVORI<sup>®</sup> QL MANAGER

offers the most powerful,  
most scalable, most reliable  
yet easy to use Digital  
Signage platform solution

Multiple Users can access  
an unlimited number of  
players at just a few  
mouse clicks and offer an  
unprecedented Broadcast  
TV like experience to  
their audience



### APPLICATIONS

Broadcast your message quickly and efficiently across one or more screens.

- Corporate Communications
- Retail & Point of Sale
- Advertising Networks
- Fast Food Digital Menu Boards
- Banks & Financial Institutions
- Education
- Airport & Transportation
- Hospitality & Entertainment
- DS Operators & Service Providers

### A QUANTUM LEAP IN DIGITAL SIGNAGE

The NAVORI QL Digital Signage platform can power any deployment from one to several thousand screens on any TCP/IP compatible network topology. It is extremely easy to use and seamlessly integrates in any multi-user workflow environment.

### SUPPORTS POPULAR MEDIA FORMATS

SUPPORTED MEDIA FORMATS ARE:

- Flash<sup>®</sup>, Adobe Director<sup>®</sup> MX and Shockwave<sup>®</sup> 8.5
- Microsoft PowerPoint<sup>®</sup> 2003, 2007, 2010 (converted)
- Video: MPEG layer 1, 2 and 4, Windows<sup>®</sup>
- Media SD and HD, DivX, QuickTime<sup>®</sup> 7 SD and HD, FLV
- Audio: WAV, WMA, MP3
- Streaming: MMS and ASF
- IP and on-demand TV
- Images: PNG, BMP, GIF, JPEG
- HTML and all inferred functionalities
- DVD-Video playback, TV-Tuner and DirectX based input feeds.

### ONLINE CONTENT, TEMPLATE AND DATA FEED DESIGNER

- Create content and aggregate data feeds without having to resort to a programming language.
- NAVORI QL Designer is accessible from anywhere via a Web Browser and allows multiple users to collaborate on the same project.

### PLAYER MANAGEMENT

Players are managed in Groups and Sub-Groups. Depending their administrative rights users can access one or more content libraries, technical profiles and player categories. Navori QL fits any hierarchic workflow environment.

### CONTENT LIBRARIES

NAVORI QL SUPPORTS FOUR TYPES OF PROGRAMMABLE CONTENT:

- Media Files (supports all media formats).
- Templates and Multi-zone screen lay-out.
- Banners and Titling at TV broadcast quality.
- Triggered Content : Interactive or on-Demand content launched by pre-defined rules or incidents. Play lists can be overruled both centrally or on local player level through external applications (Remote Control, Touch Screen, Fire Alarm, RFID, Motion Detector...), including Real-Time Data and Information (storage temperature drift, available stock level, sales volumes achieved...)

### PROGRAMMING GRID AND PLAYLIST

- Create your own playlists then drag & drop them right into the programming grid.
- Send programs to Players based on their physical location, demographics, language, profile or other criteria.
- Create dynamic play-out rules and blend multiple playlists on the fly in function of your campaigns.

### PLAYER MONITORING IN REAL-TIME

NAVORI QL keeps full and real time control of the status of your players by controlling 30 different parameters and keeps you informed via SMS or email on any event occurring. With this Easy Monitoring you can control the status of hundreds of Players in a matter of seconds.

### PLAYBACK REPORTING

- NAVORI QL Players upload their proof of actual playback reports to NAVORI QL Server. This information is stored in NAVORI QL Server's own database.
- NAVORI QL has the most powerful yet easy to use reporting system. Statistics data can easily be migrated to third party applications (airtime invoicing etc).

### ADVANCED MULTI USER CAPABILITIES

- Either a single network manager or hundreds of simultaneous users can manage their campaigns. NAVORI QL allows to create and define user profiles based on more than 80 administrative rulings.
- NAVORI QL Manager is accessible from anywhere via any Web browser on Windows, Linux or Mac consoles.

### HIGHEST QUALITY AT LOWEST COST

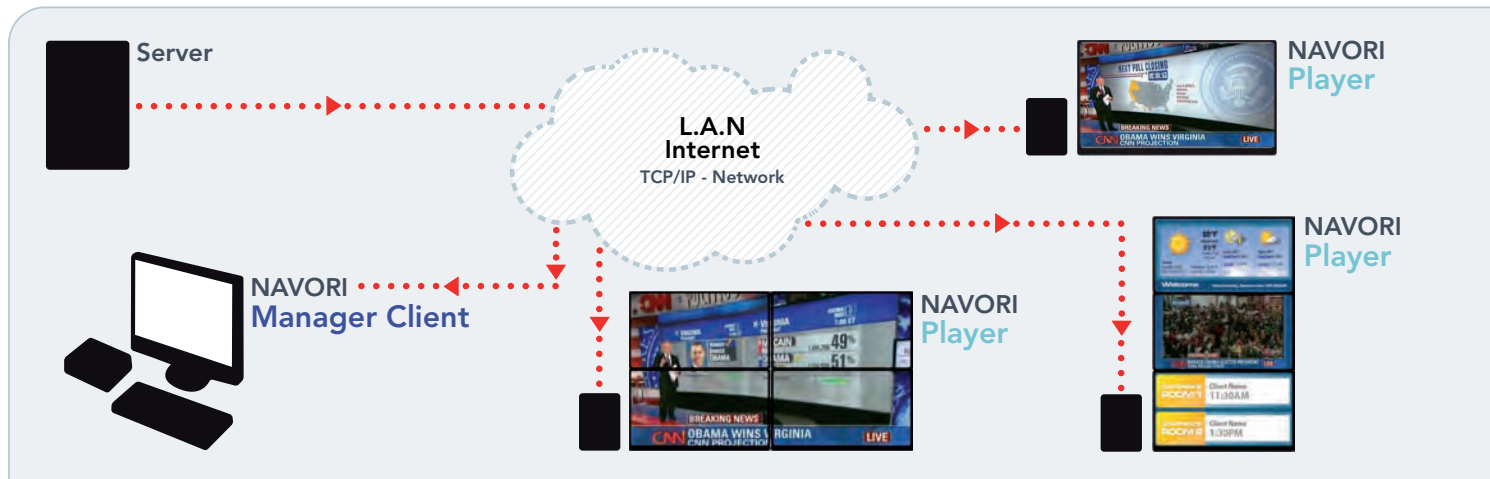
The proprietary NAVORI QL Player technology offers unprecedented Broadcast TV like play-out quality even on low-end PC platforms. Combined with the power, flexibility and ease of use of the management suite, NAVORI QL seriously leverages both the investment and operational costs of any Digital Signage project.

## NAVORI QL MANGER AND SERVER DEPLOYMENT

**NAVORI QL SERVER:** The application runs as a background service and stores its data in a Microsoft SQL database. NAVORI QL Players connect to the NAVORI QL Server to retrieve their media and schedules and send back status logs.

**NAVORI QL MANAGER:** Users connect to the NAVORI QL Manager via a web browser from any PC running Windows, Apple or Linux. This interface is both easy to learn and simple to use.

ALL NAVORI QL APPLICATIONS COMMUNICATE VIA THE STANDARD HTTP PROTOCOL. THE USE OF FULL DUPLEX HTTP COMMUNICATION MEANS SERVER AND PLAYERS CAN BE CONNECTED PERMANENTLY AND CONSUME A MINIMAL AMOUNT OF BANDWIDTH.



## SYSTEM REQUIREMENTS

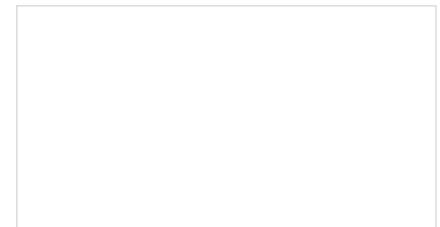
### NAVORI QL SERVER

- Windows Server 2008 or any Windows PC equipped with Microsoft IIS v7.5
- Microsoft SQL Server Express edition or higher
- 4 GB RAM

### NAVORI QL MANAGER:

- PC running any version of Windows, Mac or Linux
- Web Browser supported: Internet Explorer, Firefox, Safari, Chrome and Opera
- Microsoft Silverlight plug-in must be installed and functional on the management PC

### VALUE ADDED PARTNER



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# NAVORI QL PLAYER

Digital Signage at Unprecedented Play-Out Quality!

 NAVORI

# NAVORI<sup>®</sup> QL PLAYER

is the only digital signage playback engine able to produce Broadcast TV look and feel on thin client PC platforms

NAVORI QL Player incorporates the most advanced player technology offering Superior Playback and unprecedented Graphic Performance



## EXCLUSIVE AND PROPRIETARY GRAPHIC ENGINE

- Unprecedented Broadcast TV Quality Playback
- 1/30th of a second precise frame per frame accuracy
- Seamless TV-like transitions

## SUPPORTS POPULAR MEDIA FORMATS

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- Flash<sup>®</sup>, Adobe Director<sup>®</sup> MX and Shockwave<sup>®</sup> 8.5
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## INCLUDES COUNTLESS FEATURES

- Multi-zone playback capabilities
- Content synchronization and perfect transitions
- Titling and TV-like Banners
- Multi-layer Support: Media Cropping, Data Feeds, Layer Transparency...

## MULTI-SCREEN AND MULTI CHANNEL FULLY SUPPORTED

- NAVORI QL Player allows the simultaneous playback of multiple HD video content streams
- Display of Full HD content on as many as 12 screens all driven from a single PC
- Video Banners, Video Columns, Video Walls...
- NAVORI QL supports all screen configurations

## UNPRECEDENTED HARDWARE OPTIMIZATION

Broadcast HD TV Quality Playback on entry level PC enabling a scalable player hardware deployment in function of your playlist requirements.  
-See comparison table on last page-

## CONDITIONAL AND RULE-BASED PLAYBACK

By default, NAVORI QL Player displays scheduled content but it can also display content and playlist based on predefined rules:

- Playlist Merging and Sequencing
- Content managed by Category, Validity Period, Date, Time...
- Triggering media or play lists: Interactive or On-Demand content launched by pre-defined rules or incidents. Play lists can be overruled both centrally or on local player level through external applications (Remote Control, Touch Screen, Fire Alarm, RFID, Motion Detector...), including Real-Time Data and Information (storage temperature drift, available stock level, sales volumes achieved...)

## UNLIMITED DATA FEED SUPPORTED WITH NO CODING REQUIRED

CONTENT AUTHORING TOOL WITH ITS OWN XML AND RSS PARSER:

- Create and manage your own internal database via NAVORI QL Manager
- Create Graphic content and titling displaying real time data without external scripts such as Flash<sup>®</sup> or other.

## NAVORI QL PLAYER MODULES TRUE END-TO-END SCALABILITY

A FLEXIBLE PRICING MODEL – PURCHASE ONLY THE FUNCTIONALITIES YOU NEED

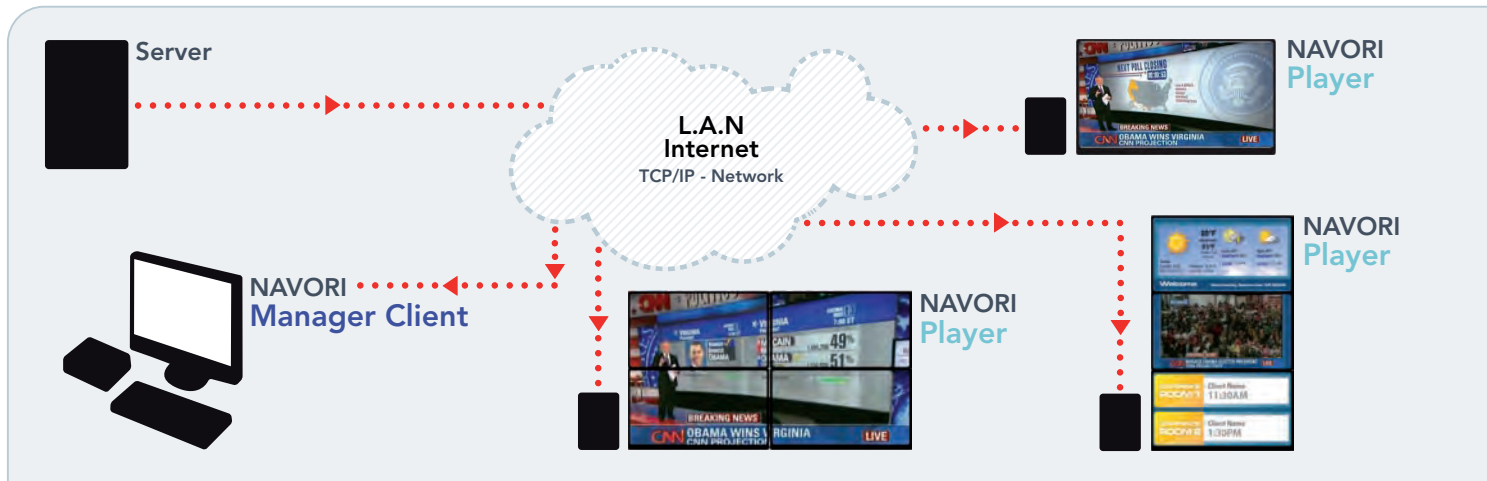
REFERENCE	NAME	SHORT DESCRIPTION
QL-01	Core Playback Engine	Full screen playback of any type of content with multi-threaded graphics rendering engine.
QL-02	Template & Multi-Zone	Navori Designer, create templates and multi-zoned screen layouts with zoned content synchronization.
QL-03	Banner & Titling	Overlay capabilities with data feed manager, transparency, broadcast quality banner.
QL-04	Triggered Media	Ability to trigger content from Manager, local Player I/O, remote control, xml value or rule.
QL-05	Real-Time Monitoring	Monitor the Player status in real-time, send alerts to Managers via text messages, email or application dashboard.
QL-06	Playback Reporting	Proof of play: the Player will update the Server's database with detailed reports identifying what content has been played.
QL-07	TV Tuner	TV Tuner: Import live TV like any other media

## NAVORI QL PLAYER DEPLOYMENT

NAVORI QL Player is a software application that you install on a PC that is connected to the display screen. This software communicates to a central NAVORI QL Server via http connection (via the Internet or private LAN).

NAVORI QL PLAYER HANDLES TWO TASKS:

- It plays content according to a previously downloaded schedule or it plays on-demand content that has been triggered.
- It communicates with NAVORI QL Server to:
  - Download new programming and associated content.
  - Download data and other information to be displayed in real-time.
  - Upload information to NAVORI QL Server about its current status and to send proof of playback reports.



## UNPRECEDENTED HARDWARE OPTIMIZATION

SELECT YOUR PC HARDWARE ACCORDING TO WHAT YOU INTEND TO DISPLAY.

HARDWARE CONFIGURATION	ATOM - INTEL CHIPSET	ATOM - ION NVIDIA CHIPSET	I-3	I-4	I-5
<b>Max. simultaneous graphic file(s)</b> (Jpeg, Swf, PPT...)	4	7	10	15	25
<b>Max. simultaneous video files(s)</b>					
SD content	1	2	4	6	16
Full HD content	-	1	2	4	12
<b>Frame accurate synchronized video</b>	-	-	YES	YES	YES
<b>Banner overlay with transparency</b>	1	2	4	7	15
<b>Triggered content</b>	✓	✓	✓	✓	✓
<b>Real-time monitoring</b>	✓	✓	✓	✓	✓
<b>Playback reporting</b>	✓	✓	✓	✓	✓
<b>TV tuner</b>	-	-	✓	✓	✓

## SYSTEM REQUIREMENTS

- Windows 7 (all editions), Vista or XP
- Consumer and embedded versions are supported
- Microsoft .NET Framework 4
- NVidia or AMD (ATI) graphic card
- RAM 2Gb
- 7200 RPM hard drive with 300 Mb free space
- Microsoft DirectSound compatible sound card

VALUE ADDED PARTNER

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