

Monitoring System

Insertion System Monitoring



WEB BASED MONITORING FOR CONTENT REPLACEMENT SYSTEMS

A system monitoring and manual control interface that is web browser based. It is used with multi-channel ad insertion and content replacement systems

Our experience of building dedicated Regional Insertion Systems for Ad insertion and content replacement encouraged the development of a sophisticated, web based remote monitoring system.

The visual interface is tailored to suit the individual broadcaster's network and system architecture.

Typical Interface

The screenshot displays the 'WORLD MONITOR' web interface. At the top, there is a navigation bar with 'Home', 'About', and 'Help' links. Below this, a 'Summary' section indicates 'Web Server: Connected'. The main area is divided into three sections:

- Select Region or Edition:** A world map with markers for New York, London, Moscow, Madrid, Barcelona, and Tokyo. Each marker is labeled with its region name and 'Agg01'.
- Filters:** A section with checkboxes for 'SD MPEG-2 at 6mbps', 'SD MPEG-2 at 15mbps', 'SD MPEG-2 at 6.5mbps', and 'HD H.264 at 15mbps'. An 'Apply' button is located below the filters.
- BARCELONA EDITION (03/01/2014 10:38:41) - Live:** A network diagram showing the flow of data. It includes 'Dual Encoder' (West Encoder 1A and 1B), 'Multiplexer' (West SD Multiplexer 1), and 'Aggregator' (Aggregator SD 1A, 3A, and HD 2A). Red dashed lines indicate the connections between these components.

Below the map, an 'Events History (All Regions)' section lists recent events:

- 09:55:33:19 - 03/01/14 London Region: Comm Client Connected to server 192.168.53.42 on port 30058
- 09:55:30:18 - 03/01/14 New York Region: Comm Client Connected to server 192.168.53.42 on port 30058
- 09:55:30:18 - 03/01/14 Tokyo Region: Comm Client Connected to server 192.168.53.42 on port 30058
- 09:55:30:18 - 03/01/14 Moscow Region: Comm Client Connected to server 192.168.53.42 on port 30058
- 09:55:30:18 - 03/01/14 Madrid Region: Comm Client Connected to server 192.168.53.21 on port 30058

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KEY FEATURES

- Monitoring of installations from anywhere in the world
- Intuitive interface
- Visual display is tailored to show the broadcaster's actual system workflow
- Displays system diagram with active signal paths in a redundant system
- Shows analysis of individual server performance
- Displays the status of any video stream on a live channel and its IP route
- Live push notifications straight into a desktop web browser or iPad
- Cutting-edge HTML5 web interface
- Remote control of encoders and network devices
- Recommended web browser is Google Chrome

HARDWARE REQUIREMENTS



Runs on generic enterprise grade server hardware. Minimum hardware specification: Intel Xeon E5-2400 Family, 4 core processor - or better, 12GB RAM. Operating System - Microsoft Server 2016 or later.

ASSOCIATED PRODUCTS

The Starfish Monitoring System is part of a family of ad insertion and content replacement products available from Starfish Technologies Ltd.

All specifications and minimum requirements are subject to change without prior notice. Please check before purchase.