



# The **Warrior** Surveillance System



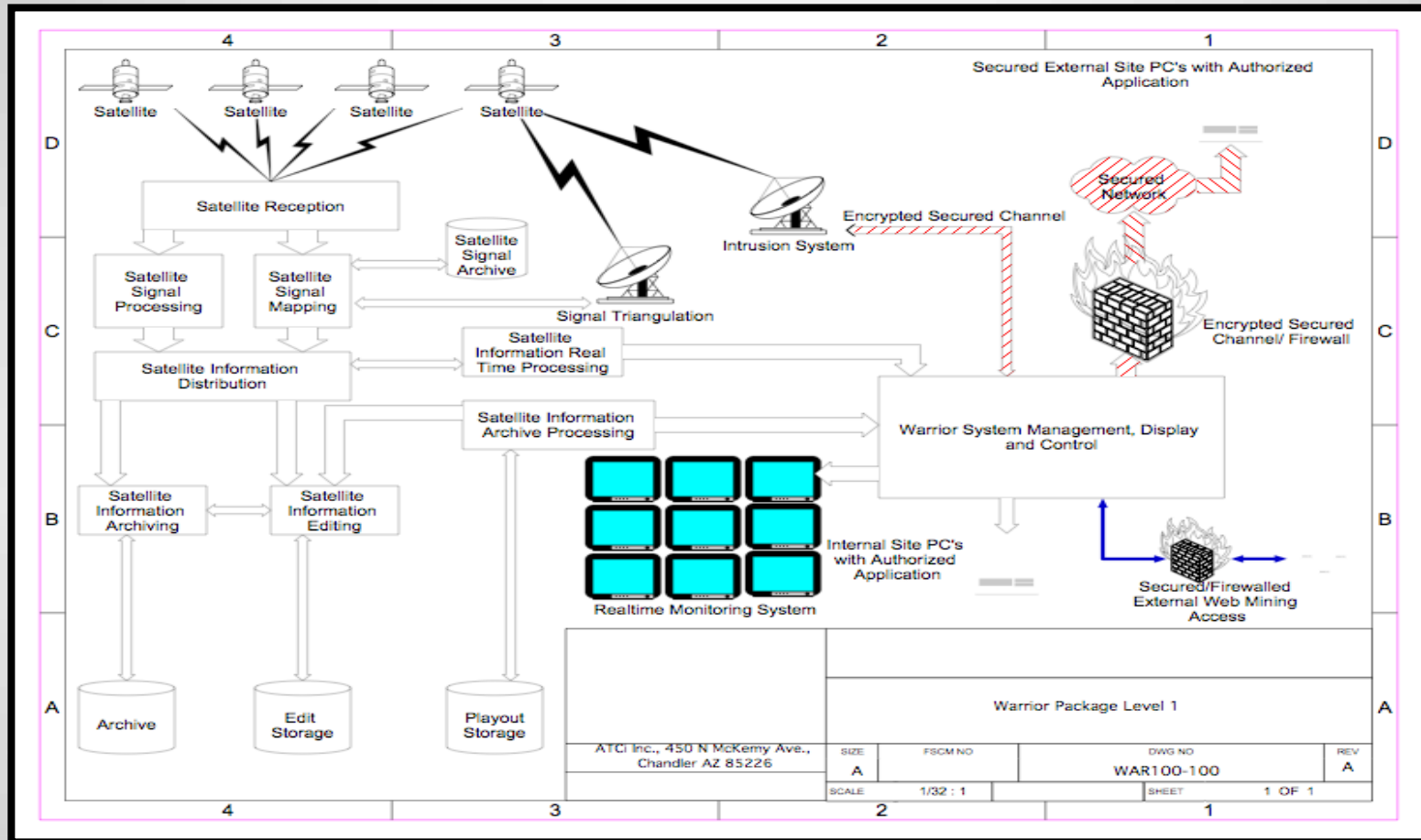


# Signal Control, Monitoring and Integrity

- ATCi utilizes advance signal control, monitoring and processing to avoid possible issues with interference and cross transmission.
- Management of the incoming and outgoing signals along with remote sampling of these signals is processed to the ARC System.
- Multi-site tracking of the signals is also available.
- Utilizing the ARC Sentry™ System in conjunction with the native systems allows for a highly responsive and extremely effective ARC Sentry M&C.



# ARC Sentry™ Master Control Monitoring



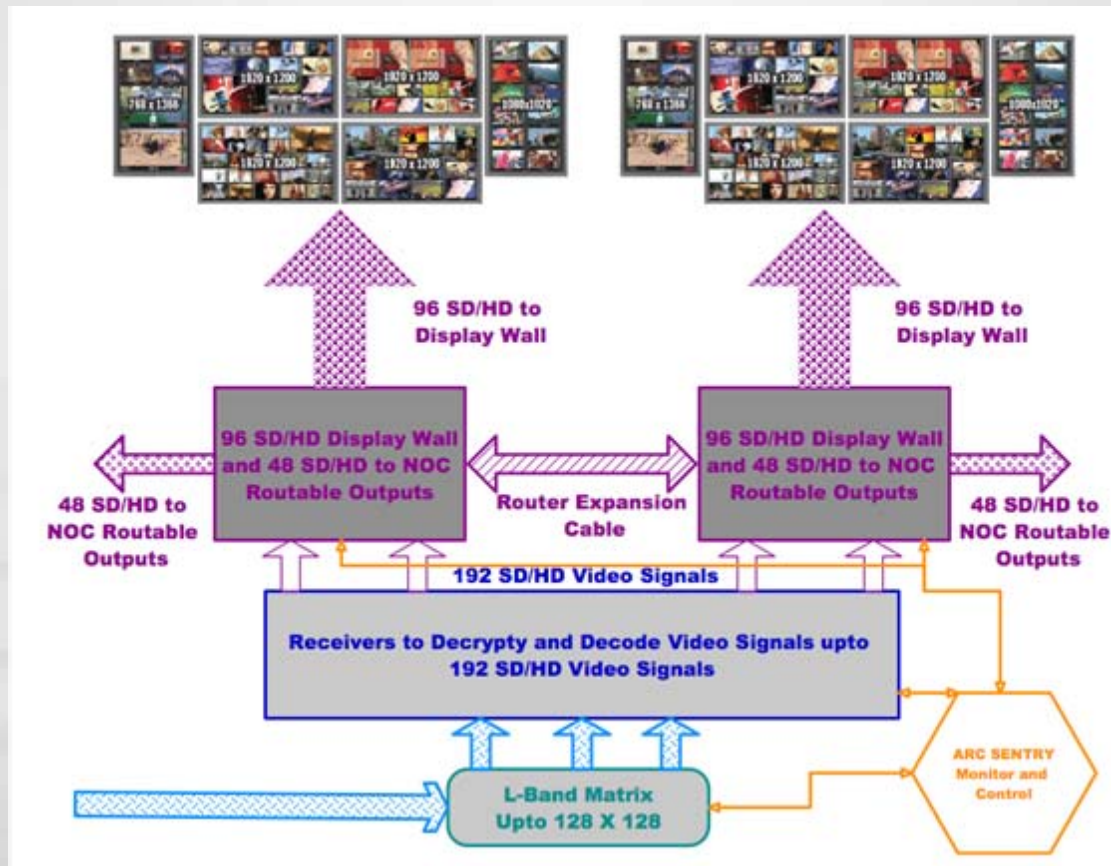


# Four Key Aspects to the ARC Sentry M&C System

- ARC Sentry is Flexible and Expandable, and Capable of handling 3rd party devices
- The ARC Sentry is able to recognize and manage data in terms of originating to endpoint paths
- ARC Sentry must be able to handle multiple formats of incoming data and process them in a concurrent relation when required
- ARC Sentry must be based on existing and proven technology

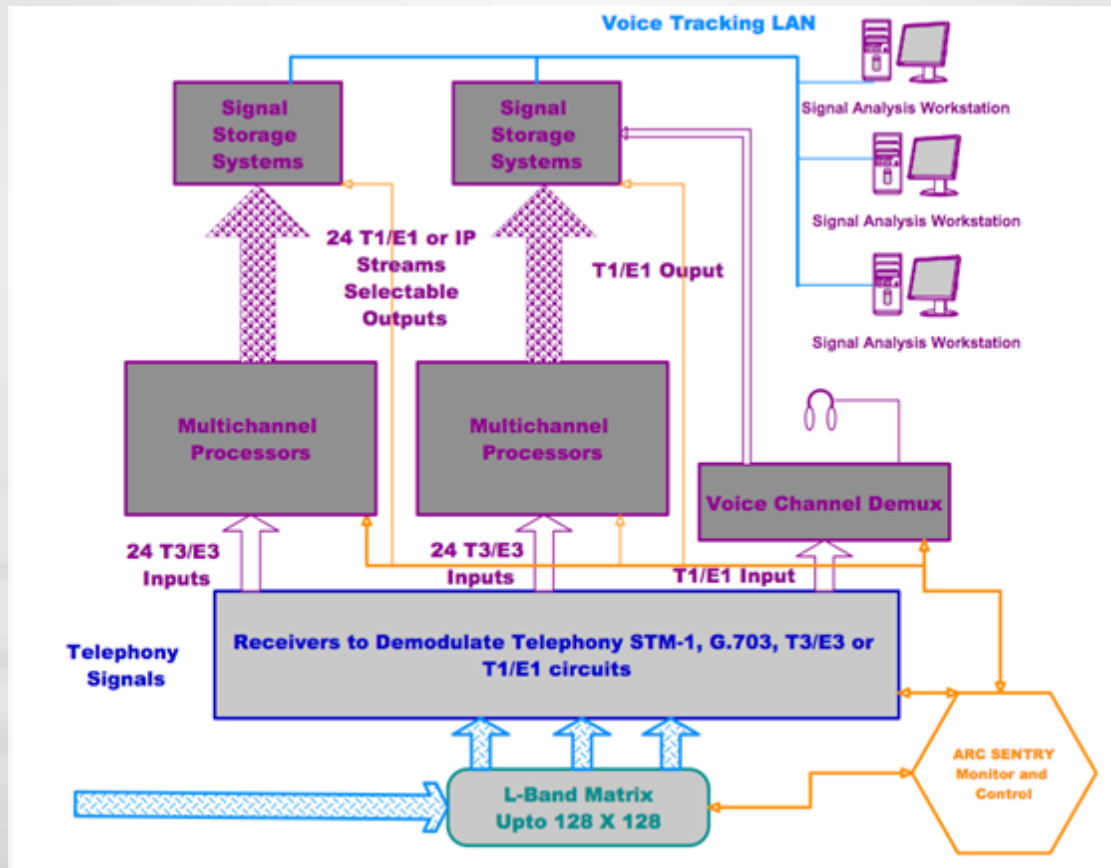


# Flexibility and Expandability- Video



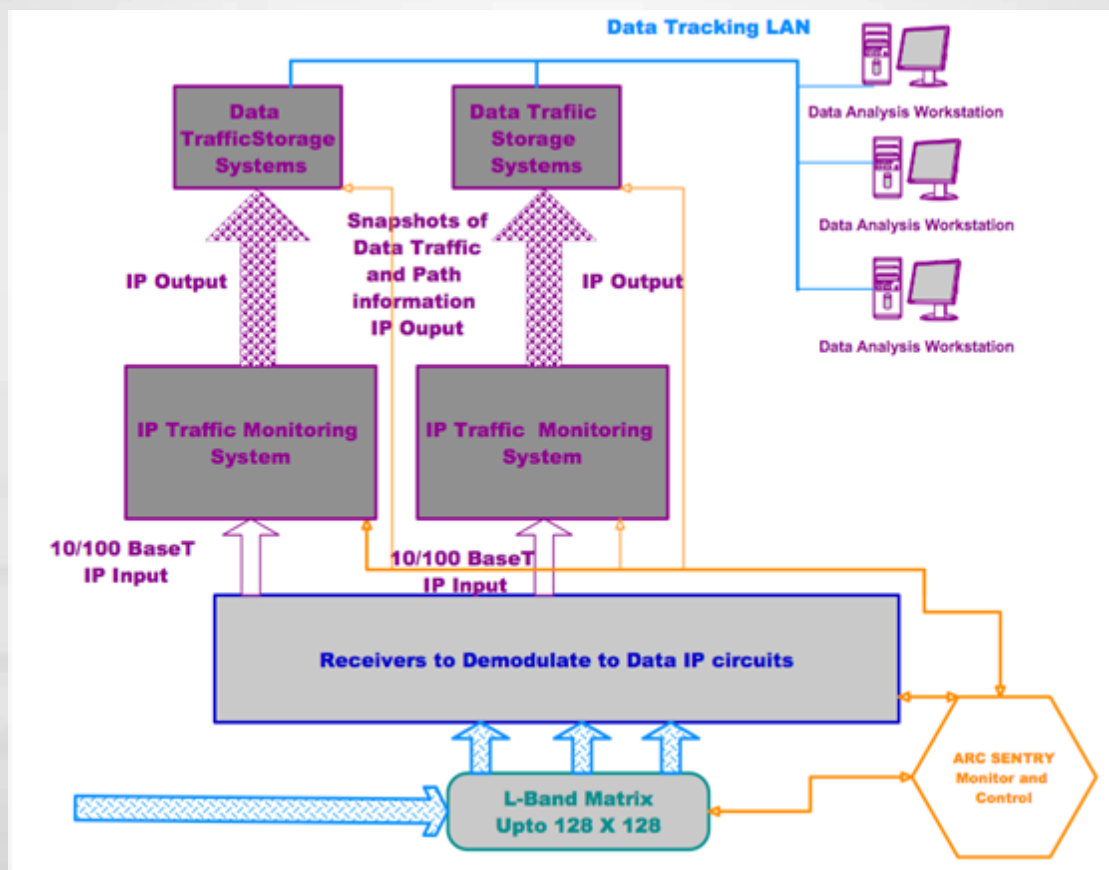


# Flexibility and Expandability- Voice





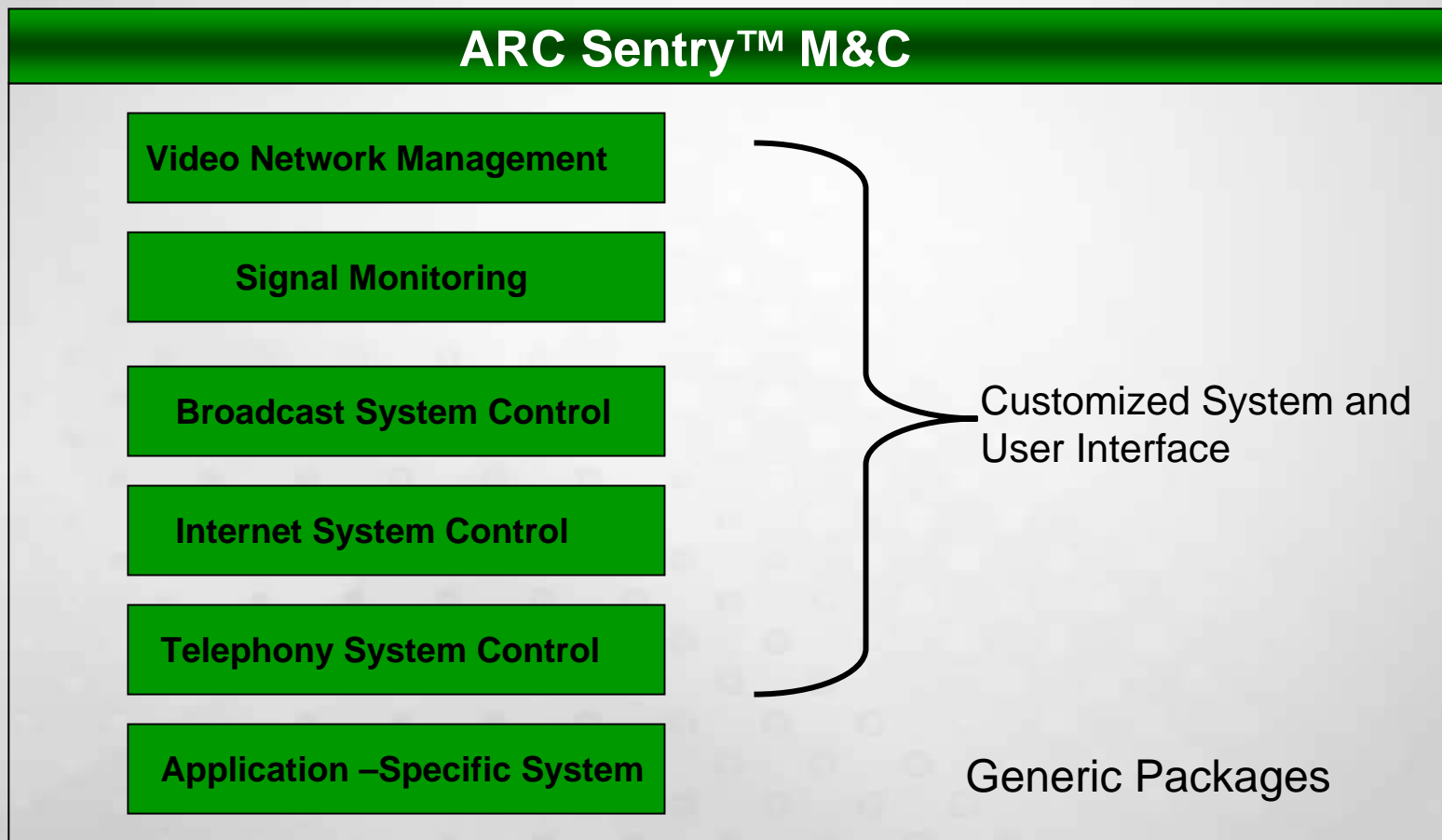
# Flexibility and Expandability- Data





# ARC Sentry™ System

The heart of the Monitoring and Control system....





# Technology developed for Multi-Room Uses

ARC Sentry  
Archive Room



ARC Sentry  
Master Control Monitoring



ARC Sentry  
Playout



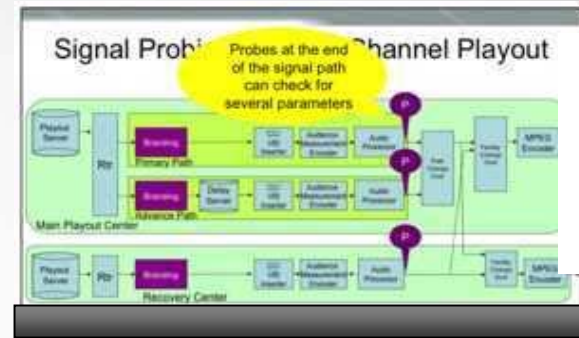
The image displays three different multi-room monitoring and control setups. The first, 'ARC Sentry Archive Room', shows a single monitor with a grid of video feeds. The second, 'ARC Sentry Master Control Monitoring', features a large wall of multiple monitors displaying various video feeds. The third, 'ARC Sentry Playout', shows a wall of monitors with a control console and mouse below them.



# ARC Sentry™ Signal Flow Control

**TV Production: Monitor Wall Control**

Provides the ability to dynamically change UMD labels on a Kaleido monitor wall



**TV Production: Multi-Format Incoming Feed Quality Control**

Preset card settings allow proper management of AFD for signal up/down conversion

The screenshot shows a control interface with multiple panels displaying signal quality metrics and AFD (Aspect Ratio Detection) settings for incoming feeds.

**Kaleido Alarms**

**Third-party IRD**

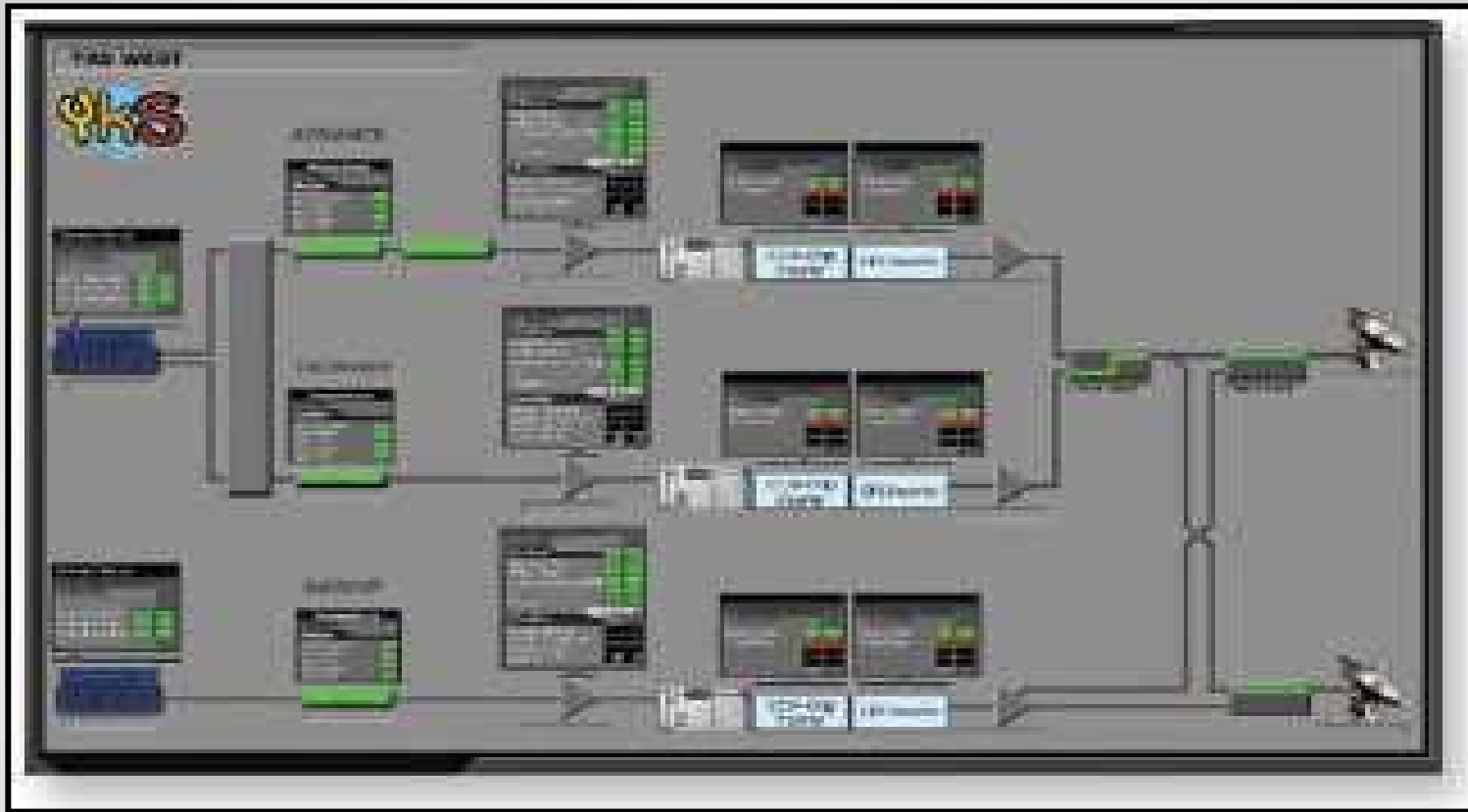
**Kaleido Alarms**

The screenshot displays three panels showing alarm status for Kaleido and third-party IRD (Intermediate Receiver Decoder) components.

The ability to effectively handle not only ATCi products but any 3rd party products with SNMP abilities makes this a very powerful and effective system for signals coming in and going out of any plant



# ARC Sentry™ Redundancy Management



ARC Sentry™ allows for a natural flow look of a system in which the redundancies and status of all the elements is visible to the operator.



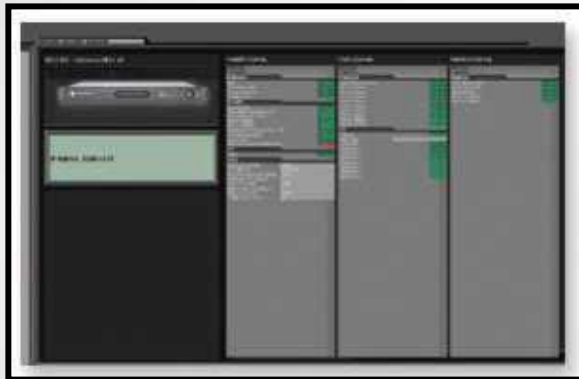
## ARC Sentry™ Detailed View



ARC Sentry™ allows for a deep view of any chain or item in the system....



# ARC Sentry™ 3rd Party Management



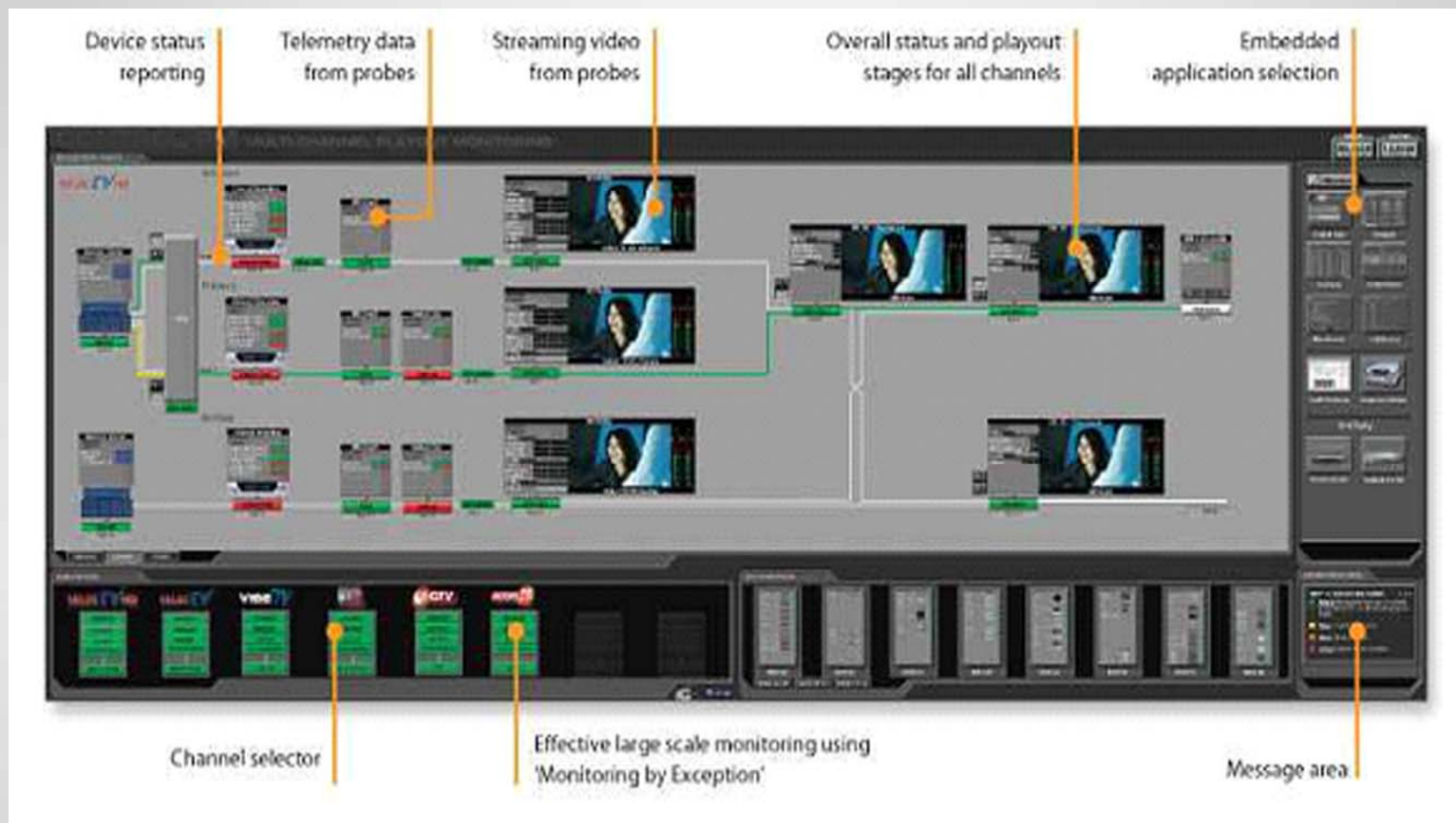
Whether via SNMP messaging or.....

Utilization of a 3rd parties embedded application , ARC Sentry™ allows for a flexible control and monitoring of 3rd part devices.





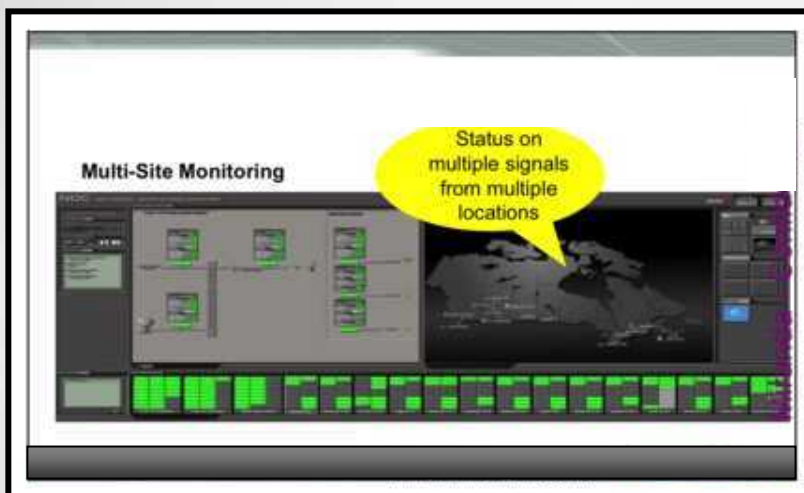
# ARC Sentry™ Multi-Channel/Data View



ARC Sentry™ provides a detailed view of any multi-channel/data system

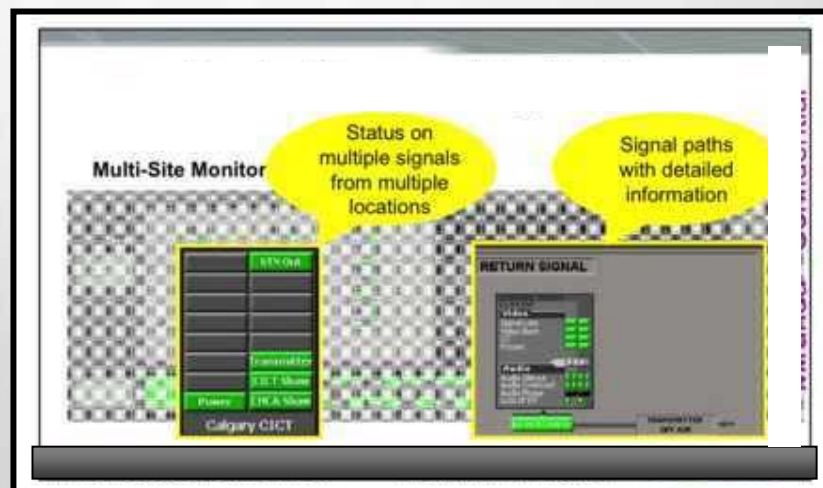


# ARC Sentry™ Multi-Site Monitoring



Starting from a 10,000 foot view of each of the sites.....

One can drill down to any specific site.....





# The Warrior System Key Benefits

- ♦ The extensive usage of IP based data processing for all applications (RF, Video, Voice, and Data) for the storage, distribution and analysis.
- ♦ The ability to add RF features such as geolocation, carrier over carrier detection, and double-talk detection for Satellite and Terrestrial signals.
- ♦ The ability to process Voice as an integral aspect.
- ♦ The ability to process Data as an integral aspect.
- ♦ The ability to coalesce the relevant and key data in a frame work across all the contributing systems (Voice, Data, Video, and RF) for application of advance analytics
- ♦ A modular construct to easily integrate new functions into the existing system.
- ♦ A Multi-Site NOC system with a known MM&C technology that has been proven.



## So Why ARC Sentry™ ..

- ♦ ATCi's partners products depth, combined with ATCi transmission solutions make them a perfect complimenting solutions partner
- ♦ ARC Sentry's™ Master Control solutions streamlines workflow across archival, retrieval and cataloging in multiple formats
- ♦ ARC Sentry's™ SNMP-based signal and facility monitoring systems help ensure that multi-format data reaches users in optimum condition, with any system faults resolved with a minimal time to repair
- ♦ The best information requires a 21<sup>st</sup> century approach.