

# iControl Penalty Box



## Monitoring by Exception Using Multiviewer

The penalty box is an area of the monitor wall that is intentionally left dark when no errors are detected — but that dynamically fills up with video if errors occur.

The iControl Penalty Box from Grass Valley is a software component that can be deployed directly on top of iControl products or as part of an iControl playout solution.

The powerful iControl monitoring solution is enhanced with the addition of a penalty box, which quickly brings operator focus to channels that need extra attention for rapid resolution.

### Applications

**Playout and Transmission** — Broadcasters involved in playout operations need their operators to be as efficient as possible while growing their channels-to-operator ratio. These broadcasters also need to maximize their multiviewer investment. The iControl Penalty Box monitoring-by-exception solution allows operators to monitor more channels by alerting them to channel errors in a multiviewer environment.

**Headend** — Service providers typically deliver hundreds of channels to their subscribers. Although operators in these facilities cannot pay attention to every specific detail, iControl Penalty Box delivers a monitoring-by-exception solution that immediately alerts operators to errors.

### KEY FEATURES

- Ability to queue multiple services that have errors
- Display Penalty Box onto any location on monitor wall
- Supports manual control of what is displayed in the Penalty Box interface directly from the monitor wall
- Display and control Penalty Box from laptop or desktop PC via iControl Web
- Ability to use IP or baseband Kaleido multiviewer as probing device
- Supports use of any iControl device as a probe\*

- Generation and logging of Penalty Box alarms
- Publish SNMP traps to northbound system
- Works with Grass Valley Kaleido multiviewers

#### Benefits

- Quicker response time to errors
- Optimizes productivity of operators
- Monitoring by exception “enabler”
- Monitoring by exception is to dynamically put forward those signals that need an operator’s attention

- Makes it easy to distinguish valid signals from invalid ones
- Too many monitors will only make it difficult to distinguish valid signals from invalid ones
- Penalty Box allows monitor wall design in which operators can reserve space for premium services, while ensuring that secondary services get the attention they deserve when an error is detected

\* As long as device publishes alarms into iControl GSM



Error detected



- The Penalty Box remains empty when there is no error
- When an error is detected, the multiviewer shows the operator which signal is in error and what the error consists of
- Optimizes productivity of the operators



Control the iControl Penalty Box from monitor wall or desktop PC

**ORDERING**

**IC-PENALTY-BOX**

Single Penalty Box software license enabling control of one multiviewer to monitor multiple services

**IC-SW-V8**

iControl version 8 monitoring and control software application

**IC-HW-R340XL**

iControl 1 RU server with dual power supplies, 4-core Intel CPU, dual 480 GB SSD with RAID, and 64 GB RAM

**IC-VM-V8**

iControl version 8 monitoring and control application on a virtual machine

**Kaleido-MX**

**Kaleido-IP**

**Kaleido-Modular-X**

**Kaleido-MX 4K**

**Kaleido Solo**

IP or baseband multiviewer product lines

**Options**

**IC-WEB**

If user wants to display and operate Penalty Box from a desktop PC

**IC-PLAYOUT**

IC-PENALTYBOX can be integrated into IC-PLAYOUT monitoring system with custom professional services



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