

Memorandum

Date: July 13, 2017
From: The Spectrum XE Team
To: Harmonic Global Sales
Subject: Spectrum XE 02.10 Release

The Spectrum XE 02.10 release is now available! Spectrum XE 02.10 can be now deployed as a standalone appliance or in the form of a cluster, made of several nodes and a single shared storage system. This release also receives a bunch of new features, which enrich the product video processing and automation capabilities. Highlights are shown below, and full details can be found in the attached release notes and the product user guide.

Clustering

Spectrum XE can be now deployed either as a standalone appliance equipped with an internal storage or a cluster of multiple appliances, connected to a single shared and external storage. The clustering feature allows managing multiple Spectrum XE servers as a single system. Therefore all the channels, which are operated within this set of multiple Spectrum XE nodes, are controlled from the same graphical user interface.

The cluster also manages load balancing: each time a new channel is added, the cluster checks that the corresponding resources are available along the cluster, and then initiates the channel on the most appropriate Spectrum XE node.

By the same way, the clustering feature brings the internal redundancy. Each time a Spectrum XE fails, the cluster automatically and instantly moves all the channels, which were running on that node, on another Spectrum XE node. This mechanism allows managing N+P redundancy.

In terms of performances, a cluster can receive up to 8 nodes and operate up to 16 channel playouts.

Processing improvements

The Spectrum XE V02.10 release allows to customize channel playout workflows. This flexibility allows for example to output a channel with multiple encoding profiles.

Spectrum XE also supports OTT delivery, with integrating push packaging.

An OTT/TS simulator can check how many times these customized workflows can be instantiated in a standalone appliance or a cluster.

Automation improvements

The Spectrum XE 02.10 built-in automation delivers a embedded schedule file translator. It can easily convert a proprietary schedule format into a native Spectrum XE file format (such as BXF) and inversely, it can generate as-run files into proprietary formats.

Spectrum XE 02.10 comes also with new kind of playlist triggers, such as SCTE-35 blackout messages or the loss of an incoming video component.

For additional information regarding new features, resolved issues and compatibility with third-party applications, please see the Release Notes.

For download information regarding Spectrum XE 02.10 please contact Harmonic Technical Support.

| Region | Technical Support Telephone | Email |
|--|--|------------------------------|
| Americas | 888.673.4896 (888.MPEG.TWO) or 408.490.6477 | support@harmonicinc.com |
| Europe, Middle East, Africa | +44.1252.555.450 | support.emea@harmonicinc.com |
| China | +86.10.8391.3313 | chinasupport@harmonicinc.com |
| Japan | +81.3.5565.6737 | japansupport@harmonicinc.com |
| Asia Pacific (Other than China and Japan) | +65.6542.0050 | apacsupport@harmonicinc.com |