

Selenio™ One XC

High video-quality, software-only linear/ABR transcoder for multi-deployment models



Selenio™ One XC is a software-based, high video-quality transcoding product built on the next-generation Selenio™ One



compression platform, which offers media companies a single solution for performing a range of encoding, transcoding, and related processing operations. Powered by Zenium™, Imagine's pure microservices-based technology, the Selenio One platform can be deployed in different physical implementations to optimize for density, quality and cost, with all Selenio One elements controlled by a common user interface for operational efficiency.

Selenio One XC supports any-to-any H.264/MPEG-2 IP-based transcoding for linear, adaptive bitrate (ABR) and multiscreen applications, as well as an optional multiplexer to provide bandwidth-conserving statistical multiplexing of expensive or bandwidth-constrained distribution channels.

The software-only, cloud-native nature of Selenio One XC, with its ability to run on Linux-based virtual machines, enables support for both premises- and cloud-based deployment models. Optimized for primary and secondary distribution, Selenio One XC allows content owners and video service providers to improve operational efficiencies by delivering more channels over existing distribution infrastructures.

Benefits

- Flexible deployment models: all software for virtualized, cloud, or on-premises appliance
- Increased revenue via support of more channels in existing distribution infrastructure
- Reduced operational expenditure with a unified platform for all compressed services and formats
- New levels of video quality and bit rate delivery with MPEG-2 & H.264 stat mux support
- Scalable with IT and datacenter server infrastructure
- Ability to leverage current and future technologies across all Zenium™-based products

Features

- Linear transcoding with stat mux for primary distribution applications
- High video quality for primary and secondary distribution
- All-software implementation for transcoding, multiplexing and processing
- Deploys in virtual machine/cloud environments or on standard server hardware platforms
- Selenio™ One management allows for scalability and full redundancy at all levels
- SMPTE ST 2022-6 HD and SD input and multi-profile output coupled with Imagine's Telurio™ Packager for ABR formats as output

Ordering Information

HARDWARE

| | |
|------------------|---|
| SN1-HW-SRV-STDA1 | Selenio One standard 1RU server, hardware only |
| SN1-HW-SRV-SMMA1 | Selenio One Media Manager (SMM) standard 1RU server, hardware only and licenses extra. For managing Selenio One transcoding, encoding, and related elements |

SOFTWARE

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|-------------------|--|
| SN1-SW-XC-BASE-SD | Selenio One XC Base Software SD, per channel |
| SN1-SW-XC-BASE-HD | Selenio One XC Base Software HD, per channel |
| SN1-SW-XCLTB-M2SD | Software high VQ MPEG-2 SD transcoder license, per channel |
| SN1-SW-XCLTB-M2HD | Software high VQ MPEG-2 HD/SD transcoder license, per channel |
| SN1-SW-XCLTB-H4SD | Software high VQ H.264 SD transcoder license, per channel |
| SN1-SW-XCLTB-H4HD | Software high VQ H.264 HD/SD transcoder license, per channel |
| SN1-SW-XCATA-H4SD | Selenio One XC Software H.264 SD ABR Transcoder License, per input channel |
| SN1-SW-XCATA-H4HD | Selenio One XC Software H.264 HD ABR Transcoder License, per input channel |
| SN1-SW-DDLBY | Software license for Dolby AC-3 Stereo or 5.1 audio decoding |
| SN1-SW-EDLBY | Software license for Dolby AC-3 Stereo or 5.1 audio encoding |
| SN1-SW-DAAC | Software license for AAC-LC or HE-AAC V1 or HE-AAC V2 audio decoding |
| SN1-SW-EAAC | Software license for AAC-LC or HE-AAC V1 or HE-AAC V2 audio encoding |
| SN1-SW-MUX-BASE | Software multiplexer base license, per instance |
| SN1-SW-MUX-STAT | Software statistical multiplexer upgrade license, per instance |
| SN1-SW-ADINSRT | Software license for ad insertion, per channel |
| SN1-SW-SMM-EXT | Software license for external management, per channel |

