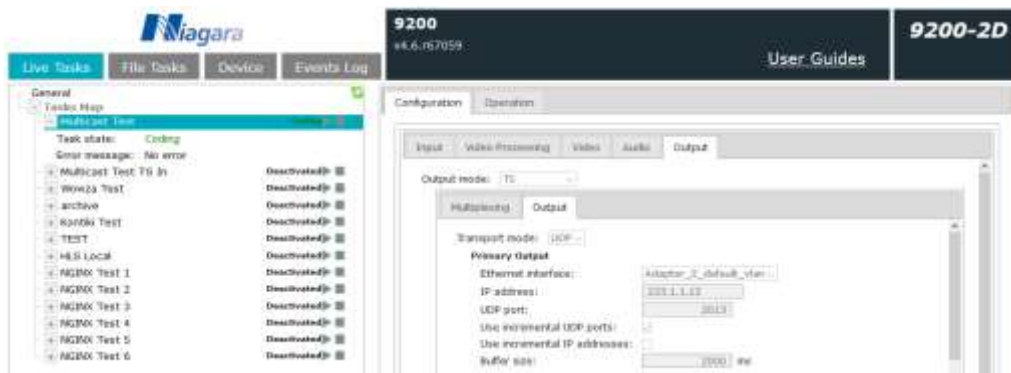# Niagara® SCX Plus Software options

Encoding and Transcoding (Live and File based) Systems – HEVC, H.264 and MPEG-2

The all new SCX Plus software is available on 3 different hardware platforms. The management software can run on one of the platforms or on an independent server.

SCX Plus- Live

The SCX Plus Live software continues the legacy of the original SCX software but with lots of new features. The two primary applications are encoding and live transcoding. There is support for MPEG-2, H.264 and HEVC codecs along with a variety of output protocols; RTMP, Transport Stream (UDP/RTP), HLS, and MPEG-DASH
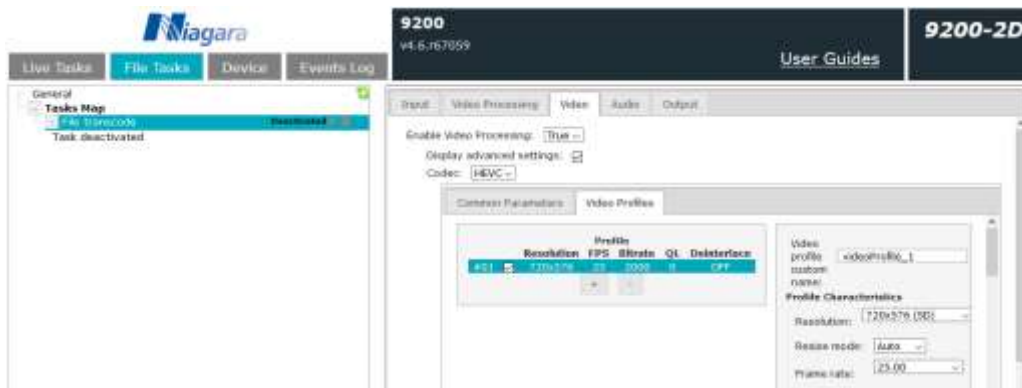

SCX Plus - File

File transcoding application with support for H.264 and HEVC up to 4K/UHD 10 bit.

INPUT

File formats:	TS, MP4, MOV, MXF, Sub-title:SRT
Video:	MPEG-2, H.264, HEVC, ProRes 422, JPEG2000, DV Video
Audio:	MPEG-1 Layer II, AAC-LC, HE-AACv1/v2, PCM, AC-3 and E-AC-3

OUTPUT

Pre-processing	De-Interlacing, Cropping and Re-sizing, Aspect ratio resizing or pass-through, frame rate up/down conversion, Color enhancement, Logo Insertion, Preview
Video Encoding	H.264, HEVC (up to 4K, Main and Main 10), Single or double pass, Multi-bit rate, CBR/VBR/ABR, up to 16 profiles per service
Audio Pre	Auto Gain, Level, delay, 5.1 and stereo down-mix, frequency re-sampling
Audio Encoding	MPEG-1 Layer II, AAC-LC, HE-AACv1/v2, AC-3 and E-AC-3, up to 32 tracks per service
File Formats	TS, MP4 (with SMIL service description), HLS and MPEG-DASH
Sub-titling	Closed Caption (CEA-608/708), pass-through to TS, SRT to Timed Text for MP4

![Niagara Video Corporation logo]

Niagara® SCX+ Platform Models

Niagara 9200 Platform
Intel QuickSync based
Lower power
MPEG 2 and H.264

Niagara 9300 Platform
Dual Xeon System
HEVC, MPEG 2 and H.264

Niagara 9400 Blade Sever Platform
Carrier Grade System
Hot swappable blades
HEVC, MPEG 2 and H.264

Delivering Video Whenever, Wherever