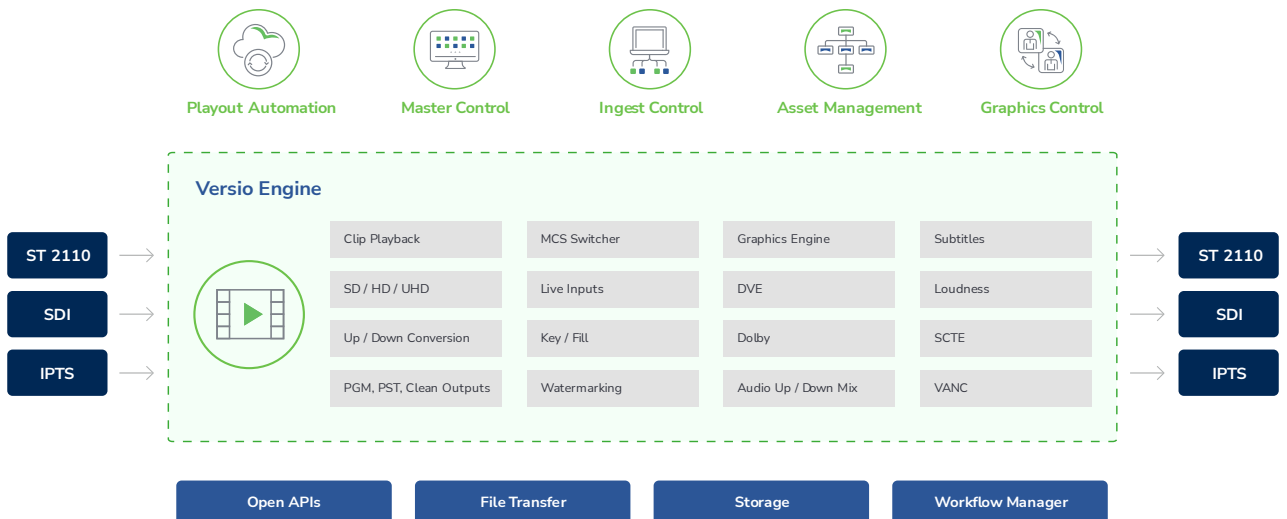# Versio™ Integrated Playout
On-Prem Playout Ecosystem for SDI/2110

Broadcasters and media companies around the world rely on Versio™ for their channel origination needs, whether building a new playout center or planning an infrastructure refresh, operating in SDI or ST 2110 IP, or delivering in UHD or HDR.

Designed as a fully software-based, integrated playout ecosystem, Versio is ready for any on-prem implementation, including complex, multi-channel playout environments. From ingest and media asset management to playout, master control, and graphics, Versio's well-proven architecture ensures a powerful and robust turnkey channel origination system.

Versio Ecosystem

Playout Automation　　Master Control　　Ingest Control　　Asset Management　　Graphics Control

Versio Engine

Inputs			
ST 2110			
SDI			
IPTS			

Clip Playback	MCS Switcher	Graphics Engine	Subtitles
SD / HD / UHD	Live Inputs	DVE	Loudness
Up / Down Conversion	Key / Fill	Dolby	SCTE
PGM, PST, Clean Outputs	Watermarking	Audio Up / Down Mix	VANC

Outputs
ST 2110
SDI
IPTS

Open APIs　　File Transfer　　Storage　　Workflow Manager

VERSIO INTEGRATED PLAYOUT FEATURES SUMMARY

- **ST 2110**
  NMOS IS-04/05, HD 1080i, 3G 1080p or 4K 2110 -20/-30-/-31/-40 & -7 redundancy

- **Clip Playback**
  Real time up/down-conversion, seamless multiformat playback

- **Single, Dual, Tri or Quad Channel**
  Per turnkey server *within specific channel configurations

- **SCTE-104/35**
  SCTE insertion & SCTE decoding for playlist triggers

- **SDI**
  HD 720p/1080i, 3G 1080p, PTP or Black Burst reference

- **Storage**
  Internal or connected to online IOX NAS

- **Graphics**
  Import from After Effects, dynamic branding, 10 layers with unlimited elements

- **UHD**
  HD clip/live upconversion, HD simulcast output; SDR-709/HLG-HDR upconversion

- **Mixing**
  Crossfades, fades & dissolves Single & dual DVE

- **Advanced Audio Options**
  Loudness Correction, Nielsen/Kantar watermarking

- **TS**
  H264 encoding virtualized environments

- **Automation**
  Native Versio Automation or ADC Automation drivers for 3rd-party

- **IN/OUT**
  Live inputs, key/fill, program, clean & preset outputs, simulcast, branded++

- **Audio**
  PCM, Dolby, AAC, up/down-mix, shuffling profiles

- **Subtitles**
  Insertion & passthrough closed captions, open captions, live captions

- **VANC**
  AFD, ARC, VCHIP/XDS

VERSIO INTEGRATED PLAYOUT APPLICATIONS

Aviator Automation

Integrated playout automation to streamline multichannel control environments with intuitive web-based UI. Designed to coordinate management of all Versio components needed for complete channel origination.

Aviator Ingest

Integrated ingest control application for scheduled recordings and crash records. Designed to optimize resources controlling pools of recording ports in Nexio SDI and Versio Ingest ST 2110 servers.

Versio Graphics

Broadcast-grade solution with intuitive web-based UI to create or modify templates; full-motion preview and video overlay. Create simple or complex graphics using direct import from Adobe® After Effects®, and add dynamic-data driver content and real-time tags.

Versio Workflows (Motion)

File orchestration module ensures media assets and metadata required for channel origination make it where they need to be, on time. Integrates with third-party MAM tools, archives and storage devices. Automates workflows for transcoding, file transfer, metadata extraction and QC review.

Versio Content Portal

Content management application for media preparation and distribution for playout. Manages all the required playout assets such as video, audio or graphics, and enables control of several key workflows to improve operational efficiency.

Versio Caption Server

Centralized web server used to query and distribute subtitle files before being embedded in the video of the channel output during playback. The service allows uploading and importing various closed caption files in multiple languages.

Versio Control

Configurable, web-based dashboard-builder designed for master control operations. Enables users to build customized, contextual-driven control and monitoring panels, with the right tools for manual channel control.

Versio Audio Profile Builder

Tool to build and save audio shuffling profiles – route multiple sources to destinations, adjust gain levels, or mute tracks. Audio presets can be directly called out from the automation or the master control applications.

Versio Redundancy

Tool that provides a flexible redundancy solution, keeping up to five channels mirrored and synchronized, including automatic failover based on real-time health and status monitoring.

VERSIO INTEGRATED PLAYOUT BENEFITS

Ground Operations	Designed and maintained for demanding on-prem channels
Modular	Scalable, malleable solution for any installation
Configurable	Ideal for complex multi-channel playout environments with tailored customer requirements
Live Channels	Suitable for highly reactive workflows and channels with live events (news, sports) thanks to superior automation and master control tools
Multi-Site	Supports deployments distributed in multiple locations
High Interoperability	Permits complex 3rd-party integrations
End-to-End ST 2110 Ecosystems	Build full ST 2110 environments, combine with Imagine Selenio Network Processor and Magellan Control System
Ideal During Migrations	Good for customers with mixed technical requirements, or slowly transitioning to other standards through a hybrid approach
Elastic	Easily add new functionality and maintain disruption-free operations
Multiple Channel Instances	SD, HD 1080i, 1080p or UHD channels with HDR processing
IP Transition	Flexible platform that allows migrating to IP playout at your own pace; SDI servers can be upgraded to ST 2110 when required
Simplified	Deployment, integration, and maintenance – move away from multi-vendor distributed architectures to integrated playout (single vendor)

VERSIO INTEGRATED PLAYOUT SPECIFICATIONS
PLAYOUT OPTIONS AVAILABLE

Multichannel Playout	Versio can be optioned and configured for multiple independent playout channels from a single server, thus increasing the density and lowering the overall cost-per-channel.
Branded++ Output	Versio can have an additional output with unique branding for a graphically differentiated variant of the channel, while still using the simplicity of a singular graphics layout.
Preset Output	Versio allows for the use of a dedicated preset output allowing operators to setup the sources for an upcoming transition as well as preview graphics, external keys, and audio
Live Inputs	Versio supports dual live inputs, configurable as SDI, ST 2110, or Transport Stream. ST 2110 streams utilize clean SEAM or NMOS controlled switching via Imagine's Magellan Control System or third-party broadcast controllers.
Key-Fill Inputs	Versio can have multiple external key-fill sources enabled allowing upstream graphics sources to be utilized in the air-chain. The Versio engine allows for enabling/disabling the source as well as reordering the Z-order.
Dual DVEs	Versio supports dual 2D DVEs for picture-in-picture squeeze back effects. Live video as well as internal clip playback can be routed into each of DVE channels.
Advanced Graphics	Versio leverages Adobe After Effects authored graphic templates which allow for real-time, dynamic data-driven graphics to be created without the need for time-consuming re-rendering nor re-assembly in a proprietary design tool. Real-time DVE placement and movement is also incorporated with the graphics for seamless interaction between squeeze backs and graphics.
Dolby Digital	Versio support the optional encoding of Dolby Digital and Dolby Digital Plus outputs, carried over SDI outputs, ST 2110-31, or MPEG2 TS.
Advanced Audio	Versio's Advanced Audio Track Router (AATR) simplifies and, in many instances, replaces downstream audio router needs. ATTR is especially useful when different routing rules must be applied dynamically based on multiple audio profiles present in the media library, or when a customer has complex language requirements.
Audio Loudness Correction	Versio can be optioned to include loudness correction compliant with EBU R128 and ATSC A/85 (CALM) using an integrated Linear Acoustic software component.

PLAYOUT OPTIONS AVAILABLE – CONTINUED

EAS	Versio can be integrated with an external DASDEC II EAS device for receipt of IP data and streaming audio. Within the Versio, a dedicated internal graphics engine and keyer provides on-screen overlays for alerts and messages.
Nielsen, Numeris, Kantar Watermarking	Versio supports insertion of Nielsen, Numeris, and Kantar digital audio watermarks using integrated software components.
Captions	Various options support live and file-based caption service import and export, which allows for the addition or replacement of captions. This can be used to support multiple languages and avoid the expense of adding a downstream captions inserter. Options for EIA 608/708, OP42/OP47/WST, and live EEG iCap integrated captioning service component.
Ancillary Processing	Versio offers optional packages for V-Chip insertion, SCTE insertion, ARC processing, and AFD insertion, reducing the need for multiple downstream devices to perform these functions.
ST 2110 UHD	Versio supports UHD channel configurations using ST 2110, and supports two live inputs that can be switched and used for DVE effects, two live outputs that can be used for program and clean outputs, plus an HD preset output.
HDR conversion	UHD and 1080p Versio channels can be configured for HDR-HLG BT.2020 outputs, and supports dynamic conversion of Rec.709 SDR inputs from both live and clip inputs.
UHD Video Clips	A single clip playback channel supports both HD and UHD. HD playback undergoes high-quality de-interlacing and upconversion to UHD. HD and UHD clips can be played back-to-back on the same channel.

SPECIFICATIONS

BROADCAST I/O	
IP Inputs	2 live Inputs SMPTE ST 2110
IP Inputs	Up to 4x key/fill pairs SMPTE ST 2110
IP Outputs	2 Outputs SMPTE ST 2110 2 Outputs MPEG2 TS, H.264 Additional options configurable
IP Outputs	3 Outputs SMPTE ST 2110 2 Outputs MPEG2 TS, H.264 Additional options configurable
HD-SDI Inputs	2 Inputs via HD-BNC 2 Inputs SDI 2 key/fill pairs (optional)
HD-SDI Outputs	Up to 3 Outputs via HD-BNC — video configurable
Uncompressed Input to Output Latency	Up to 15 Frames (HD)
HD-SDI Embedded Audio In	16 AES per channel
HD-SDI Embedded Audio Out	16 AES per channel
Video Formats	2160p, 1080p, 1080i, 720p, 480i, 480p
Scan Rates (fps)	60, 59.94, 50, 29.97, 25
Audio Format (uncompressed)	PCM (16, 20, 24 bit, 48 KHz) — HD SDI
Aspect Ratios	16:9 4:3
Aspect Ratio Conversion	Up/down/cross conversion support AFD aspect ratio conversion Port-based aspect ratio conversion User-based aspect ratio conversion
Closed Captioning	EIA-608, EIA708: from file (SCC, STL, PAC, etc.), from media, live (EEG iCap), cross convert OP-42, OP-47: from file (SCC, STL, PAC, etc.), from media, Cross convert

TIMING	
Standard	SMPTE ST 2059-2 (PTP) for HD-SDI or ST 2110 LTC/blackburst for HD-SDI

SPECIFICATIONS

AUDIO PROCESSING	
Channels and Formats	8 pairs embedded per I/O channel (4 pairs if using 24-bit PCM with SD video)
Processing and Storage	16, 20, or 24-bit PCM, 48kHz
Compressed Audio	Dolby Digital/Dolby Digital Plus (AC-3/EAC-3) Encoding Dolby E Decoding
Watermarking	Nielsen, Numeris, Kantar
Loudness Correction	Linear Acoustics AERO

VANC PROCESSING	
AFD	Pass-through or ARC
SCTE	SCTE-104 Insertion and trigger decoding SCTE-35 Insertion and trigger decoding

SD VIDEO COMPRESSION SPECIFICATION

Compression	Profile	Resolution and Frame Rate
MPEG-2 I-frame — 4 to 15 Mb/s	4:2:0	525 @ 29.97 fps 625 @ 25 fps
MPEG-2 I-frame — 10 to 50 M/s	4:2:2	525 @ 29.97 fps 625 @ 25 fps
MPEG-2 Long GOP — 4 to 15 Mb/s	4:2:0	525 @ 29.97 fps 625 @ 25 fps
MPEG-2 Long GOP — 10 to 50 Mb/s	4:2:2	525 @ 29.97 fps 625 @ 25 fps
IMX — 30, 40, and 50 Mb/s		525 @ 29.97 fps 625 @ 25 fps
DVCPRO — 25 and 50 Mb/s		525 @ 29.97 fps 625 @ 25 fps
DVCAM * — 25 Mb/s		625 @ 25 fps
H.264 — 1 to 15 Mb/s		525 @ 29.97 fps 625 @ 25 fps

* DVCPRO25 is the same as DVCAM in 525 @ 29.97 fps.

SPECIFICATIONS

HD VIDEO COMPRESSION SPECIFICATION		
Compression	**Profile**	**Resolution and Frame Rate**
MPEG-2 I-frame — 50, 80, and 100 Mb/s	4:2:0	1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
MPEG-2 I-frame — 50, 70, 80, 100, 120, and 150 Mb/s	4:2:2	1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
MPEG-2 Long GOP — 18, 25, 35, 50, 60, 70, and 80 Mb/s	4:2:0	1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
MPEG-2 Long GOP — 25, 35, 50, 70, and 80 Mb/s	4:2:2	1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
DVCPRO HD — 100 Mb/s		1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
XDCAM HD —35 Mb/s (not available in 720p)		1080i @ 29.97 fps 1080i @ 25 fps
XDCAM HD422 — 50 Mb/s		1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
XDCAM EX — 35 Mb/s		1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
H.264 — 1 to 15 Mb/s		1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
DNxHD		1080i @ 29.97 fps 720p @ 59.94 fps 1080i @ 25 fps 720p @ 50 fps
XAVC INTRA – CLASS 300		2160p @ 59.94 2160p @ 50
XAVC L-GOP – 188 to 300 Mb/s		2160p @ 59.94 2160p @ 50

SPECIFICATIONS

HDR PROCESSING	
Input	Rec.709 Rec.2020 HLG ITU-R BT.2100
Output	Rec.709 Rec.2020 HLG ITU-R BT.2100
WCG	Rec.2020
Conversion	Fixed or Auto-detect Linear 32-bit float RGBA Custom LUT (CUBE) Separate settings for UHD and HD outputs
Metadata	HDR in ANC (SMPTE ST 352) HDR in MXF (SMPTE ST 436)

SYSTEM SPECIFICATION	
Processors	AMD EPYC 9354P (32 cores, 64 threads)
Memory	6x 16GB (96 GB) PC5-4800 (or optimal configuration based on server manufacturer)
OS Drives	2x 480 GB NVMe RAID 1 recommended
Graphics Drives	2x 960 GB SSD RAID 5 recommended
Local Video — Optional	4x 2TB 7.2K RPM RAID 5 recommended
Management Networking	1x 1 Gb/s management 1x 1 Gb/s control (automation)
Video (Compressed — Optional)	1x 1 Gb/s video
Video (Uncompressed/SMPTE ST 2110 — Optional)	2x 25 Gb/s video
GPU acceleration (1080p and UHD)	Nvidia RTX4000 ADA SFF GPU

SPECIFICATIONS

GRAPHIC BRANDING	
Bit Depth	32 bit 24 bit graphics (RGB), 8 bit alpha
Graphic Video Format	(Lossless compression) Custom sizing Up to 10 graphic video files running simultaneously Graphic video files coverage up to 1x screen resolution
Layouts	Maximum of 10 layouts loaded simultaneously Multiple individually controllable elements per layout
Rolls and Crawls	Up to 4 rolls and/or crawls* Up to 1/3 screen coverage at one time*
Clocks and Stills	No practical limit
Screen Coverage	Up to 2x resolution*

* Supported minimum standard. Limits may vary.

DVE	
Quantity	Two 2D DVEs Two DVEs on screen simultaneously
Sources	One active source per DVE at a time 2 internal video playback channels 1 internal video playback channel and 1 live input
Control	User-defined templates Automation triggering of templates Template-defined position and motion control Template-defined crop and video resizing

VERSIO INTEGRATED PLAYOUT ORDERING INFORMATION

INGEST
VERSIO INGEST: CENTRALIZED INGEST SERVICE 32 CHANNELS
VERSIO INGEST: LICENSE FOR SINGLE ENCODE CHANNEL 1X
VERSIO INGEST: VER-REC-2110 - LICENSE FOR SINGLE IP 2110 ENCODE CHANNEL 1X
VERSIO INGEST (REDUNDANT): VER-REC-2110-R - LICENSE FOR SINGLE IP 2110 ENCODE CHANNEL 1X

PLAYOUT	
VER-PLY	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE PLAYOUT CHANNEL 1X

GRAPHICS	
VER-GFX-BASIC	VERSIO GRAPHICS: BASIC GRAPHICS PACKAGE
VER-GFX-ADV	VERSIO GRAPHICS: ADVANCED GRAPHICS PACKAGE
VER-GFX-UHD	VERSIO GRAPHICS: UHD GRAPHICS PACKAGE
VER-GFX-OP-UNQ	VERSIO GRAPHICS: LICENSE FOR UNIQUE SD HD BRANDING
VER-GFX-CSL	VERSIO GRAPHICS CREATION STATION LITE

VERSIO INTEGRATED PLAYOUT ORDERING INFORMATION

I/O	
SDI	
VER-IO-SDI-IN	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE SDI LIVE INPUT, USE WITH VER-IO-SDI
VER-IO-SDI-OUT	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE SDI OUTPUT (BRANDED OR UNBRANDED), USE WITH VER-IO-SDI
VER-IO-SDI-KEY	VERSIO PLATFORM: KEY AND FILL INPUT LICENSE
IP	
VER-IO-IP-IN	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE 2022 LIVE IP INPUT
VER-IO-IP-OUT	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE 2022 IP OUTPUT (BRANDED OR UNBRANDED)
VER-IO-2110-IN	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE 2110 LIVE IP INPUT
VER-IO-2110-OUT	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE 2110 IP OUTPUT
VER-IO-2110-IN	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE 2110 LIVE IP INPUT
VER-IO-2110-OUT	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE 2110 IP OUTPUT
VER-IO-2110-IN-R	VERSIO PLAYOUT SERVICE (REDUNDANT): LICENSE FOR SINGLE 2110 LIVE IP INPUT
VER-IO-2110-OUT-R	VERSIO PLAYOUT SERVICE (REDUNDANT): LICENSE FOR SINGLE 2110 IP OUTPUT
CMP	
VER-IO-CMP-IN	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE LIVE COMPRESSED INPUT
VER-IO-CMP-OUT	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE COMPRESSED OUTPUT (BRANDED OR UNBRANDED)

VERSIO INTEGRATED PLAYOUT ORDERING INFORMATION

OPTIONS	
AUDIO	
VER-PLY-OP-ALA	VERSIO PLAYOUT SERVICE: LICENSE FOR VERSIO ADVANCED AUDIO - LINEAR ACOUSTIC AERO
VER-PLY-OP-ANL	VERSIO PLAYOUT SERVICE: LICENSE FOR VERSIO ADVANCED AUDIO - NEILSEN RATINGS
VER-PLY-OP-ATR	VERSIO PLAYOUT SERVICE: LICENSE FOR VERSIO ADVANCED AUDIO - TRACK SHUFFLER
VER-PLY-OP-AUD	VERSIO PLAYOUT SERVICE: LICENSE FOR VERSIO ADVANCED AUDIO - DOLBY DTS UP DOWN MIX
VER-PLY-OP-DED	VERSIO PLAYOUT SERVICE: LICENSE FOR DOLBY E DECODE FROM A SINGLE DIGITAL STREAM TO 6 OR 8 CHANNELS
VANC	
VER-PLY-OP-ANC	VERSIO PLAYOUT SERVICE: LICENSE FOR VANC PROCESSING AND INSERTION
CAPTIONS	
VER-PLY-OP-CAP	VERSIO PLAYOUT SERVICE: LICENSE FOR VERSIO CAPTION ENGINE
VER-PLY-OP-EEG	VERSIO PLAYOUT SERVICE: LICENSE FOR EEG ICAP LIVE CAPTION INSERTION
VER-PLY-OP-CBN	VERSIO PLAYOUT SERVICE: LICENSE FOR OPEN (BURNT IN) CAPTIONS FROM LIVE CLIP ANC
VER-PLY-OP-CBN-R	VERSIO PLAYOUT SERVICE: (REDUNDANT): LICENSE FOR OPEN (BURNT IN) CAPTIONS FROM LIVE CLIP ANC
SCTE	
VER-PLY-OP-DPI	VERSIO PLAYOUT SERVICE: LICENSE FOR VANC PROCESSING AND INSERTION
EAS	
VER-PLY-OP-EAS	VERSIO PLAYOUT SERVICE: LICENSE FOR EMERGENCY ALERT SYSTEM
PRESET	
VER-PLY-PST-OUT	VERSIO PLAYOUT SERVICE: LICENSE FOR SINGLE PRESET OUTPUT
UHD	
VER-PLY-OP-UHD	VERSIO PLAYOUT SERVICE: UHD PLAYBACK & ENCODE CHANNEL LICENSE

VERSIO INTEGRATED PLAYOUT ORDERING INFORMATION

AUTOMATION	
VER-AUT	VERSIO AUTOMATION: VERSIO AUTOMATION ENGINE
VER-AUT-ADC	ADC AUTOMATION CHANNEL, SOFTWARE ONLY. A SINGLE LINEAR CHANNEL
VER-AUT-D	VERSIO PLATFORM: D-SERIES SOFTWARE AUTOMATION CONTROL LICENSE; ONLY VALID WITH VER-CORE-D
VER-AUT-OP-EX	VERSIO AUTOMATION EXTERNAL DEVICE CONTROL - SEE SUPPORTED DEVICES
VER-AUT-OP-INT	VERSIO AUTOMATION: INTEGRATION SERVICE ALLOWS 3RD PARTY SCHEDULE INTEGRATION VIA BXF MESSAGE EXCHANGE
VER-AUT-OP-TRAF	VERSIO AUTOMATION: TRAFFIC TRANSLATOR, PARSE EXISTING TRAFFIC FILE

REDUNDANCY
VERSIO REDUNDANCY SITE LICENSE. ONE PER ADDITIONAL LOCATION

MASTER CONTROL	
VER-MCS-SWP	VERSIO MASTER CONTROL: CORE MASTER CONTROL SOFTWARE PANEL - INCLUDES MASTER CONTROL SERVICE
VER-MCS-OP-LIVE	VERSIO MASTER CONTROL: LICENSE FOR MASTER CONTROL LIVE PANEL
VER-PLY-OP-MCS	VERSIO MASTER CONTROL: LICENCE PER CHANNEL, ENABLES MANUAL CONTROL OF VERSIO SWITCHER AND GRAPHICS

VERSIO INTEGRATED PLAYOUT ORDERING INFORMATION

WORKFLOW	
VER-WFL	VERSIO WORKFLOW: VERSIO ADVANCED WORKFLOW ENGINE
VER-WFL-OP-CLI	VERSIO WORKFLOW: ENTERPRISE WORKFLOW CLIENT APPLICATION
VER-WFL-OP-DES	VERSIO WORKFLOW: ENTERPRISE WORKFLOW DESIGNER APPLICATION
VER-WFL-OP-PRO	VERSIO WORKFLOW: WORKFLOW THIRD PARTY PROCESSING & QC PLUGIN
VER-WFL-OP-STO	VERSIO WORKFLOW: STORAGE & THIRD PARTY TRANSFER WORKFLOW PLUGIN
VER-WFL-OP-WF1	VERSIO WORKFLOW: ADDITIONAL CUSTOM WORKFLOWS, SERVICES SOLD SEPARATELY
VER-WFL-OP-WF3	VERSIO WORKFLOW: ADDITIONAL 3 CUSTOM WORKFLOWS, SERVICES SOLD SEPARATELY
VER-WFL-OP-WF5	VERSIO WORKFLOW: ADDITIONAL 5 CUSTOM WORKFLOWS, SERVICES SOLD SEPARATELY

CORE	
VER-CORE-SVC	VERSIO PLATFORM: CORE SERVICE LICENSE FOR VERSIO CENTRAL SERVICES
VER-CORE-ADC	ADC BASED VERSIO INTEGRATED PLAYOUT SYSTEM CORE SERVICES BUNDLE (SOFTWARE ONLY)
VER-CORE-D	D-SERIES BASED VERSIO INTEGRATED PLAYOUT SYSTEM CORE SERVICES BUNDLE (SOFTWARE ONLY)
VER-PLY-OP-CLI3	VERSIO WORKFLOW: CLIENT LICENSE PACK - THREE PACK
VER-WFL-PXY-ENG	VERSIO WORKFLOW (V4.0 AND ABOVE) ADDITIONAL PROXY TRANSCODE ENGINE. REQUIRES VER-CORE-SVC

VERSIO INTEGRATED PLAYOUT ORDERING INFORMATION

HARDWARE	
VER-HW-MCS-PNL	VERSIO MASTER CONTROL: MASTER CONTROL HARDWARE PANEL, INCLUDES HW, MASTER CONTROL SERVICE & PANEL
SERVER PLATFORM	
VER-HW-2UG11-1SDI	VERSIO 2RU GEN11 PLAYOUT SERVER WITH SINGLE MATROX SDI BOARD
VER-HW-2UG11-2SDI	VERSIO 2RU GEN11 PLAYOUT SERVER WITH DUAL MATROX SDI BOARD
VER-HW-2UG11-1MA500	VERSIO 2RU GEN11 PLAYOUT SERVER WITH SINGLE MA500 SDI BOARD
VER-HW-2UG11-2110	VERSIO 2RU GEN11 PLAYOUT SERVER WITH SINGLE MATROX 2110 BOARD
VER-HW-2UG11-ING	VERSIO 2RU GEN11 ST 2110 INGEST SERVER
VER-HW-2UG11-CORE	VERSIO 2RU GEN11 CORE SERVER
VER-HW-2UG11-TS	VERSIO 2RU GEN11 PLAYOUT SERVER WITH NO I/O BOARD FOR TRANSPORT STREAMS
VER-HW-2UG11-A	VERSIO 2RU GEN11 16 CORE BASE SERVER
VER-HW-2UG11-B	VERSIO 2RU GEN11 32 CORE BASE SERVER
GPU KIT	
VER-HW-GPU-RTX4000ADA	VERSIO GPU KIT - NVIDIA QUADRO RTX4000 ADA LOVELACE SFF FOR HPE 2RU PLATFORMS
INTERNAL STORAGE BUNDLES	
VER-HW-G11-STOR-20TB	VERSIO PLAYOUT GEN11 20TB INTERNAL STORAGE PACKAGE
VER-HW-G11-STOR-60TB	VERSIO PLAYOUT GEN11 60TB INTERNAL STORAGE PACKAGE
VER-HW-G11-STOR-80TB	VERSIO PLAYOUT GEN11 80TB INTERNAL STORAGE PACKAGE
MEMORY	
VER-HW-G11-DDR-16G-48	16GB MEMORY MODULE. QTY(1) 16GB SINGLE-RANK DDR5-4800 FOR HPE GEN11 2RU PLATFORM
I/O PCI INTERFACE	
VER-HW-2UIO-SDI	VERSIO PLAYOUT SERVICE: SDI PLAYOUT PACKAGE FOR 2RU INCL MA500 UP TO 6IN 6OUT
VER-HW-MXIO-SDI-8	VERSIO SDI PLAYOUT PACKAGE INCL I/O UP TO 8IN OR 8OUT
VER-HW-MXIO-IP-D	VERSIO 2110 I/O PLAYOUT PACKAGE
NIC	
VER-HW-NIC-OCP-1025	2-PORT 10/25GBE OCP3 FOR IMAGINE 2RU HPE GEN11. PURCHASE SFP CABLES AND OPTICS SEPARATELY
VER-HW-NIC-PCIE-1025	2-PORT 10/25GBE PCIE FOR IMAGINE 2RU HPE GEN11. PURCHASE SFP CABLES AND OPTICS SEPARATELY
VER-HW-SFP-10	1X 10GBE SFP+ OPTICAL MODULE FOR USE WITH VERSIO
VER-HW-SFP-25	1X 25GBE SFP28 OPTICAL MODULE FOR USE WITH VERSIO
SSD KIT	
VER-HW-SSD-[240G, 480G, 960G, 19T, 38T]	MEDIA SSD KIT, 1X [240GB, 480GB, 960GB, 1.92TB, 3.8TB] 2.5" SSD, ORDER 1X, 4X, 8X, OR 16X AS NEEDED