



Main features

- Full Unicode compliance
- SD / HD / 4K UHD HDR
- Cloud ready & virtualizable
- SDI & IP (DVB, SMPTE 2022-6/7, SMPTE 2110, RTMP) Inputs & Outputs

Features

- Automation / MAM / Ingest / Playout / CG
- Monitoring & Alarms (hardware & software SNMP Monitoring)
- OnAir Protect
- Live Video Monitoring
- Review in web client, frame accurate, thanks to our new Transcoding module (Review SDI files, NAS or local, and while recording)
- Integrated automatic transcoding module, On-the-fly Mark-in and Mark-out of Media
- Playlist and blocks editors
- 2D On-air Dynamic Branding (Logos, Crawls, DVE)
- Multichannel & Multi-User Configuration

Options

- Anamorphic (zoom, pan & scan, AFD, etc.)
- Audio shuffling & dubbing
- Router control
- Ingest Module
- SCTE 35/104 insertion and detection
- Automation playlist synchronization
- 3D with 3Dsmx
- Emergency Overlay (LBar or custom) graphics buttons
- Chroma keying
- Subtitling (file, live)
- Watermarking and Forensic Watermarking
- GXF, LXF Support
- Active redundancy n+m or 1+1

'Channel-in-a-Box' Playout Platform

Thanks to its long experience of broadcast operation and to its perfect mastering of IT and broadcast technologies, Anyware Video has released a solution offering, all the premium channel functionalities, the reliability and the right operational ergonomics, in a compact powerful and cost-effective design.

OneGenie® is now deployed in SD, HD and 4K UHD HDR offering the following key features:

- Subtitling (OP47 broadcast format, DVB-Sub)
- Audio Shuffling and audio description
- Real-time 2D and 3D Dynamic OnAir Graphics with chroma keying
- IP or BaseBand inputs (including quad-SDI or SDI 12G)
- Several simultaneous outputs possible (DVB, SMPTE 2022, SMPTE 2110, RTMP, SDI, DASH)
- Supports all standard formats of the market up to 500 Mbit/s: Sony® Intra XAVC, AVID® DNxHR, Apple ProRes 422 media, HEVC, H264, MPEG ...

Automated, operated and monitored through a web client, OneGenie® has been designed to guarantee fully distributed architectures, with remote operation and system virtualization. Thus, not compromising with performance and security, since it can be set with 1+1 or n+1 active redundancy and provides complete range of broadcast quality monitoring (SDI, SNMP...).



Anyware Video OneGenie® Configurations

Channel Configurations (SDI and/or IP)

OneGenie 1 SD/HD I/O
 OneGenie 2 SD/HD I/O
 OneGenie 4 SD/HD I/O
 OneGenie 1 UHD I/O
 OneGenie 2 UHD I/O



On-board Storage Configurations

12TB, 24TB, 48TB, 96TB
 * Additional storage available upon request.

Codec/Wrapper Support

Wrappers

MXF OP1a
 MP4
 MPG
 GXF
 LXF

Proxy

MP4 H264/AAC

SD (PAL, NTSC)

DV25, DV50, DVCPro25, DVCPro50
 D10 IMX 30-40-50
 MPEG-2
 H264
 H265

HD (720p50/59.94, 1080i50/59.94, 1080psf23.98, 1080p23.98, 1080p50/59.94)

DVCProHD
 XDCAM HD
 Avid DNxHD®
 Apple ProRes® 422
 AVC-Intra Class 50/100
 Sony XAVC Intra and Long GOP
 MPEG-2
 H264
 H265 (HEVC)
 JPEG-2000, JPEG2000 lossless
 DPX
 Uncompressed

UHD-1 (up to 60p)

Avid DNxHR®
 Apple ProRes 422LT-422-422HQ
 Sony XAVC 4K Intra Class 300 and 480 (CBG and VBR)

General Specifications

Video specifications

SD-SDI: SMPTE 259M, ITU-R601 line component, 10-bit
 HD-SDI: SMPTE 292M, 10-bit
 3G SDI: SMPTE ST 424M, SMPTE ST 425M-AB, SMPTE ST425-5
 12G SDI: SMPTE ST 2082, SMPTE ST 2082-12
 IP: DVB, SMPTE 2022-6/7, SMPTE 2110-10/20/21/30/31/40
 75 Ohms BNC
 ITU-R BT 601 (data and electrical)

Dynamic conversions (inputs & outputs)

PAL <-> 1080i50, PAL <-> 720p50
 NTSC <-> 1080i59.94, 720p59.94 <-> 1080p59.94
 Aspect ratio: AFD and WSS support for aspect ratio conversion (per channel)

Special Modes

Graphic, Subtitles, AFD/WSS

Reference Genlock

Analog blackburst reference (tri-level or bi-level), SDI input as reference or free running mode.
 External termination with LOOP connector
 Flywheel on genlock.

Audio specifications

Up to 16 audio tracks
 Input: 48 kHz, 16-bit, 20-bit or 24-bits digital audio PCM
 Audio clock genlocked to video reference in accordance with SMPTE 272M and AES11-1997

Compressed audio types

Any video clip with supported audio format can be played seamlessly back-to-back
 Dolby-E pass-through.

Timecode

LTC SMPTE 12M timecode

Video Preview

Streaming Multiviewer for remote preview in a web browser

Redundancy

Redundant power supplies
 RAID1 for system drives, RAID5/6 for data drives
 Hot spares drives

Monitoring

SNMP

Connectivity

100/1000/10000 Base-T Ethernet ports

File exchange

CIFS, SMB, (S)FTP

Connector to External storage

SAN, NAS

Server

2U Rackable unit
 Watchdog

Control

Web interface - Anyware Video All-In-One

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