



# Produce and publish from any video source to any outlet

with Agility 2G on-demand video production and management solution

**Agility 2G** offers great scale and flexibility to handle the ever-increasing demand for high-quality, high-volume throughput. Agility 2G has the reliability you need to tackle the latest requirements in premium, on-the-spot production across multiple distribution outlets, and it integrates seamlessly with your existing systems, making it easy to deploy.

Now, more than ever, media companies must drive additional revenue from online and on-demand syndication of video. However, this opportunity comes with great operational challenges, particularly as the number and diversity of outlets increase. Agility 2G was built to meet the demands of the rapidly changing video industry, and over the past decade it has become the preferred on-demand video production and management solution for more than 700 leading media companies.

**Agility 2G** offers great scale and flexibility to handle the ever-increasing demand for high-quality, high-volume throughput. Agility 2G has the reliability you need to tackle the latest requirements in premium, on-the-spot production across multiple distribution outlets, and it integrates seamlessly with your existing systems, making it easy to deploy.

**Agility 2G:**

- Produces and publishes from any video source to any outlet
- Automates and customizes outlet-sensitive media enhancements
- Utilizes the fullest range of advanced, enterprise-quality production technology
- Ensures reliability and unmatched performance and scalability
- Deploys quickly and integrates seamlessly with existing systems

**Produce & publish from any video source to any outlet**

Agility 2G supports input from any production or post-production source (e.g., live, tape, file-based), and a greater range of ingestion and output formats than any other system available. Many input file formats are supported and standard output file formats include MPEG, H.264, Silverlight, Windows Media, MPEG-2 and Flash, as well as the following application-specific formats and workflows (See Table 1). Live input sources include analog, SDI and HD-SDI with discrete and embedded audio.

INPUT	OUTPUT
Live (tape, HD/SDI, IP-UDP/RTP)	Broadcast Servers with ancillary metadata (SD/HD)
Broadcast Server native (SD/HD)	Cable Labs VOD Transport streams (SD/HD)
Camera formats (SD/HD)	IPTV H.264 Transport streams (SD/HD)
Non-Linear Editor (Avid/Apple)	Broadband VOD and adaptive streaming formats
Transport streams	Mobile 3GPP
	Live Broadband Streaming

**Utilize the Fullest Range of Advanced Enterprise-Quality Production Technology**

With automated editing and content assembly, you can customize out-of-box production workflows to meet any requirements. In addition, Agility 2G comes with best-in-class video and audio pre-processing technology, making it the most powerful production tool on the market.

**Enterprise-Quality Monitoring for “Lights Out” Operation**

The administrative features in Agility 2G enable you to determine the health of your system at any time with access to logs, status events, errors and user interac-

tion statistics. Agility 2G enables you to virtually eliminate downtime. The logging system integrates with custom monitoring applications, and can be configured to report via multiple systems including database, e-mail, TCP or UDP, cell phone and SNMP systems.

**Best-in-Class Video and Audio Pre-Processing Technology**

Whether it is displayed on a large or small screen, your video is at its best with Agility 2G. Advanced video production features include noise reduction filters, motion compensation, image cropping and resizing, color correction and more. Agility 2G maximizes image and audio quality at all target bitrates. Advanced multi-channel audio (including Dolby E, 24 bit, 5.1 surround sound, audio filtering) and ITU-R Rec. BS.1770 two-pass normalization and compression ensure that you meet quality requirements whether you are producing output for a home theater or a cell phone.

**Automate & Customize Outlet-Specific Media Enhancements**

Agility 2G offers the most complete range of value-added production features in the market for customizing media to meet outlet-specific distribution requirements. Agility 2G workflows and supporting functions offer out-of-the-box content creation for broadcast, CableVOD, mobile and IPTV applications. The SDK, advanced API and Flash authoring environments for graphics are coupled with metadata-driven automation to allow the maximum amount of customization with minimal manual effort.

*These enhancements include:*

- Outlet specific metadata ingest, creation and validation
- Dynamic and programmable animated and still overlays
- Dolby Audio processing, including Dolby E Decoding
- Motion compensated standards conversion
- Forensic watermarking
- HD VANC ancillary metadata propagation
- Playlist processing
- CableLabs VOD and IPTV standards and STB compliance
- CDN compliance

### Ensure Reliability & Unmatched Performance and Scalability

Agility 2G achieves a market-leading level of throughput capacity with the newly integrated stateless Enterprise Control System (ECS) for uninterrupted operation even during system hardware failures. This architecture dynamically redistributes jobs or tasks on a network of servers for optimal processing and automatic fail-over in the event of pauses, delays or restarts.

*With Agility 2G you can:*

- Achieve maximum throughput and minimum latency with automatic reconfiguration of jobs and tasks
- Reduce congestion of storage networks and further increase throughput with single decode/multiple encode processing
- Increase throughput of media that is slow to process (e.g., HD, Flash, H.264) via grid processing, temporarily distributing various transcoding tasks across the network
- Ensure maximum resource utilization with floating licenses and unlimited concurrent tasks
- Virtually eliminate downtime with redundant ECS, stateless management, auto job fail-over recovery and task rescheduling

### Deploy Quickly & Integrate Seamlessly with Existing Systems

Agility 2G features a Web-based UI, including support for XML and standard database integration, enabling rapid deployment, UI configuration and custom reporting. You can achieve maximum flexibility with a service-oriented Web-based API, and control and manage workflows directly, or through other enterprise applications such as asset management systems.

### About Telestream

Every day, the world's leading media and entertainment companies turn to Telestream to publish rich media and unlock the value of their content. In 1998 Telestream pioneered the concept of automated, digital media production and publishing.

Telestream platforms support the mission critical content production requirements of media companies in over 40 countries. Telestream specializes in multi-platform publishing and our customers rely on our products to prepare their content for delivery on air, on the Web, on-demand, on mobile and other personal media devices.

With more than 4000 installations, including over 100 high-capacity enterprise-grade multi-node systems, Telestream solutions automate more media production tasks for the top media companies than any other digital media production and publishing solution.

