Ignite
Automation Production Control (APC)

Ignite offers an exceptional level of control and flexibility, which translates into a powerful ROI and unprecedented improvements in production quality.

The revolutionary and Emmy® Award-winning Ignite APC platform from Grass Valley, a Belden Brand, is a powerful and agile software platform that enables single operators to create tighter, cleaner, more compelling live content while lowering OPEX costs associated with personnel and training.

The Unscripted Live Production Leader

Ignite excels in live production environments where unexpected changes are a common occurrence. Not all live productions can be scripted. Why settle for an APC solution that doesn't excel at delivering compelling unscripted live content? Ignite has the ability to run in a standard playlist format and instantly transition to independent, manual control of all devices in a production control room — switching seamlessly between live productions without any additional preparation.

Ignite has produced over 1 million hours of live production, covering news, variety talk shows, sporting events, concerts and various other production formats. When disaster strikes, Ignite is there helping you produce coverage for stories like the Christchurch earthquake, countless hurricanes and wildfires. These productions can last days and weeks, not just hours and minutes — all unscripted and unplanned.

Reduce Complexity

Since its inception three generations ago, the goal for Ignite was simple: Reduce the *complexity* associated with live productions. The Ignite platform was the first to make single operator productions possible. Ignite is the only APC to offer Dynamic Live Events via our patented IQT template manager. This feature, when combined with K-Frame Show Macros, works with a library of under 100 events. These events are flexible for infinite and instantaneous adjustments to the style, look and feel of production events.

Ignite Event Builder (EB) — Game Changer

The perception is that *all APC solutions* available in the industry today are complicated to set up and maintain, which directly impacts your OPEX budget, and limits productions. APC operators are encumbered by "how do I do this?" as opposed to simply focusing on making the most creative live productions. Facilities using an APC often look for special operators called "super users" who are responsible for maintaining the creativity of the event library. What happens when these super users aren't working, are sick or leave your organization? To ensure smooth, efficient and consistent productions, Ignite EB is the solution.

Ignite EB is the next generation platform that levels the playing field for all operators, making every user a *super user*. Ignite EB was designed from the ground up for a non-technical person to create or modify live production events with little or no formal training. Other APC solutions take weeks or even months to build out a show library of live events. Ignite EB makes this possible in days with unprecedented savings. Ignite deployment training can now immediately focus your team on creativity of live productions, instead of wasting time building out event libraries.

Ignite EB also enables operators to embrace change. Minutes before a live production, a Producer can request a new event, which can be quickly, easily and confidently created in Ignite EB. This scenario would have previously been seen as impossible and fraught with risk. With Ignite, it's no problem. Ignite EB works to break down the walls that exist between Producers and Directors, giving you a real game changer in live production!

Ignite Automation Production Control

- Ignite Persistent Templates: New Ignite vertical playlist supports dynamic change in the rundown directly from Ignite — there's no need to go to the NRCS to make changes
- New Event Builder:
  – Quick & easy creation of event library — reducing training & commissioning by up to 50%
  – Enables Ignite to be deployed as an easy to set up and use plug-and-play device suitable for any production environment, small or large
  – Event options are accessible in a single interface — building takes a few clicks, no wading through dozens of menus
- MOP (Media Object Portal) processes and filters changes that occur during live productions, giving visibility to what and where a change has occurred
- Fully and partially redundant options
- Templated Events: Reduces the size and complexity of your event library
- Third-party device control is direct and native, no other applications required
- Audio control mimics the way an audio operator would control an audio console

- Ignite companion application enables simultaneous Ignite control by up to three operators
- Make last-minute adjustments to audio levels on Katalyst or directly in the Ignite UI — there's no need to go to the NRCS to make changes
- Flexible architecture support allows for hybrid modes of operation
  – Switch between traditional production panels and full automation
  – Combine semi-automation with manual control of specific devices
- Supports MOS and has an Active X plugin
- NRCS support: AP (ENPS), iNews, Octopus and Dalet, while also supporting no NRCS if desired
- Comprehensive switcher support:
  – K-Frame: S-Series, V-Series
  – Kahuna*
  – Kula
  – Sony
- DMP: Easily and seamlessly produce content for web and mobile platforms via Ignite that enables:
  – Tight integration with GV STRATUS to automatically segment and produce content for mobile and web platforms
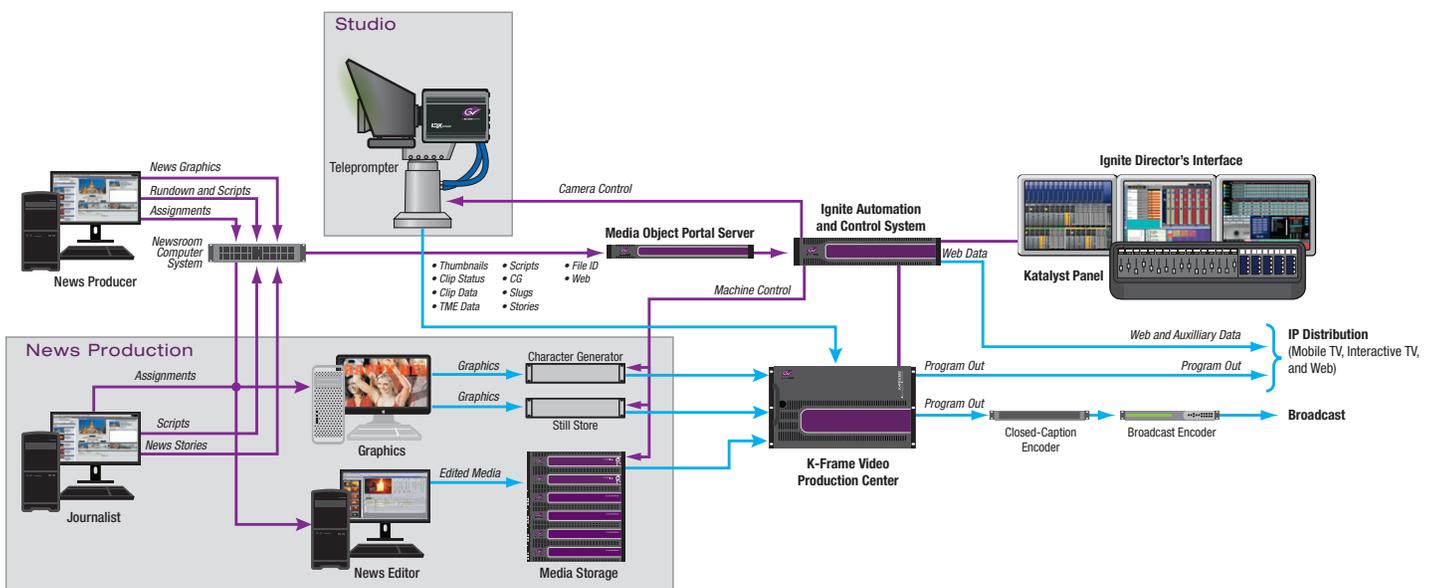
* Future release

It's All About CONTROL — No Compromises

Since its inception, Ignite was engineered around the principle of providing automated production without limiting the creativity or flexibility of the production team. Ignite is the only automated production control system which lets you drive your production switcher the way a technical director would in a traditional environment. Ignite is also the only APC solution that doesn't require an audio operator. This has a significant impact on ROI, production quality and the ability to handle breaking news at a moment's notice.

One important differentiator is our superior switcher control architecture. As with traditional live broadcasts, Ignite automation can cascade a production across multiple M/Es, driving primary and auxiliary outputs to destinations across your studio and facility. It is this superior platform architecture that allows Ignite to utilize all of your production switcher's resources — not simply flip-flopping between two M/E banks on program like some competitors' systems.

Broadcast Video Workflow

The Grass Valley line of Ignite integrated production solutions is the industry's first and most complete link between the control room and newsroom.

Ignite has the ability to scale from 1 M/E to 5 M/Es of production. The power of Ignite, when combined with Grass Valley's K-Frame switcher engine, is unprecedented. The ability to load show profiles on a K-Frame means that a single Ignite event library can have unlimited variations of style, reduce the size of your library and enable a director to make quick changes to the look and feel of a production — all common during breaking news or rating periods.

When it comes to the K-Frame switcher engine, there are numerous advantages over other systems, including:

- Edit EMEMs and macros via a timeline that sup- ports key frames
- Double Take — turns a 3 M/E K-Frame into a 6 M/E system
- Suites mode to enable simulcasting — two concurrent and separate live productions from a single K-Frame
- Source rules that help make simulcasting and 4K UHD productions a breeze

Ignite Katalyst Tactile Control Interface

The Ignite Katalyst solution for the Ignite platform provides the feel of a tactile interface without the bulk of large control panels. Whether producing an entire show live, it can trigger simple or complex functions for instant recall. And the touch-capacitive motorized audio faders provide for dynamic audio control and instantaneous automation override.

Automation Soft Panel

Introducing the ASP — Automation Soft Panel. ASP provides all the functionality of the Katalyst without the cost of additional hardware. ASP provide users with more hotkeys and faders with software, which can run on customer-furnished equipment.

Ignite Event Builder

The latest innovation to the Ignite platform, Event Builder, solves the most important problem that impacts everyone who uses an APC solution, regardless of vendor — **Complexity:**

Event options are accessible in a single interface — Building takes a few clicks, no wading through dozens of menus.

Quick & easy creation of event library — Reducing training & commissioning by up to 50%.

Modifications to events are quick and seamless — Reducing the long-term hidden costs of implementing all APC solutions that drastically decrease Op-Ex training costs.

Enables Ignite to be deployed as an easy to set-up and use plug-and-play device suitable for any production environment, small or large — Reduces complexity to a level that anyone can use and maintain an Ignite APC solution.

ORDERING

IGNITE-KON-KFM-1ME

IGNITE KONNECT 1 M/E K-Frame Package – 6 RU K-Frame (32 x 16) inputs/outputs, 8/32 GPI

1 RU frame with redundant power supplies

One M/E plus controller M/E, four 3D iDPMs, 12 2D DPMs, 12 full function keyers with chromakey, FlexiKey, DoubleTake, M/E viewer, ImageStore board/license

1 M/E soft panel GUI on user supplied PC with KSP keyboard

Ignite license, tally & serial control, Cisco switch & firewall, three monitors, keyboard and mouse

IGNITE-KON-KFM-2ME

IGNITE KONNECT 2 M/E K-Frame Package – 6 RU K-Frame (64 x 32) inputs/outputs, 8/32 GPI

1 RU frame with redundant power supplies

Two M/E plus controller M/E, four 3D iDPMs, 18 2D DPMs, 18 full function keyers with chromakey, FlexiKey, DoubleTake, M/E viewer, ImageStore board/license

1 M/E soft panel GUI on user supplied PC with KSP keyboard

Ignite license, tally & serial control, Cisco switch & firewall, three monitors, keyboard and mouse

IGNITE-KON-KFM-3ME

IGNITE KONNECT 3 M/E K-Frame Package – 6 RU K-Frame (80 x 48) inputs/outputs, 8/32 GPI

1 RU frame with redundant power supplies

Three M/E plus controller M/E, eight 3D iDPMs, 24 2D DPMs, 24 full function keyers with chromakey, FlexiKey, DoubleTake, M/E viewer, ImageStore board/license

1 M/E soft panel GUI on user supplied PC with KSP keyboard

Ignite license, tally & serial control, Cisco switch & firewall, three monitors, keyboard and mouse

IGNITE-KON-KFM-4ME

IGNITE KONNECT 4 M/E K-Frame Package – 6 RU K-Frame (80 x 48) inputs/outputs, 8/32 GPI

1 RU frame with redundant power supplies

Four M/E plus controller M/E, eight 3D iDPMs, 30 2D DPMs, 30 full function keyers with chromakey, FlexiKey, DoubleTake, M/E viewer, ImageStore board/license

1 M/E soft panel GUI on user supplied PC with KSP keyboard

Ignite license, tally & serial control, Cisco switch & firewall, three monitors, keyboard and mouse

GVB-1-0068F-EN-DS

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