

Grass Valley, a Belden Brand

Обзорная презентация и новинки IBC 2017

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Create Control Connect

*Content
Your Way.*



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Who is ...



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We are ...

Grass Valley is a trusted partner completely focused on empowering customers to create, control and connect content wherever, however and whenever it is consumed.

We provide the innovative tools and expertise to help customers improve the efficiency of their operations while telling better stories to attract and keep viewers.

Headquartered in Montreal, Grass Valley has been in the broadcast business for nearly 60 years and is part of St. Louis-based Belden Inc.

Content Your Way

Committed to Innovation



1,100
patents



21
Emmy
Awards



ib Innovation
Awards
2016

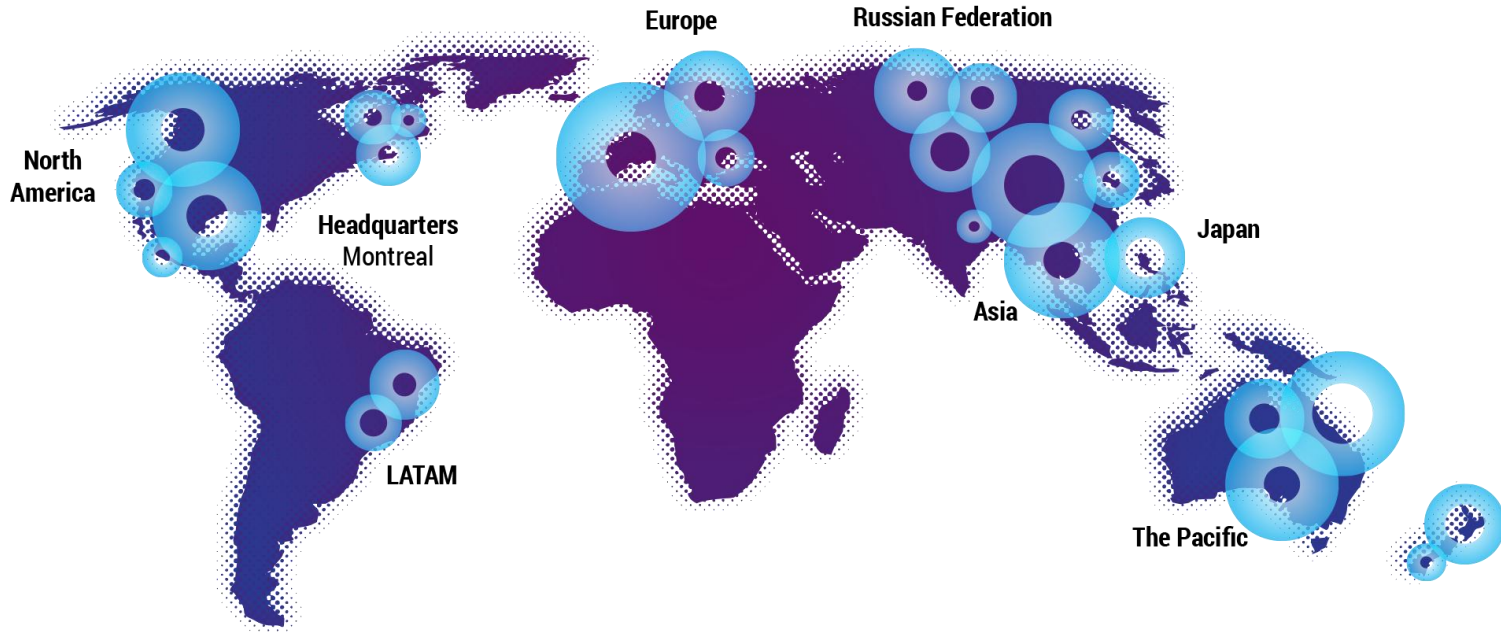
HPA
A W A R D S

A Global Footprint to Meet Global Demand

Broadcast is a global industry and we're able to serve every geography



28+ Locations
in over
20+
Countries





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Our Vision and Values

Vision: How Our Customers Benefit

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***Content
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Grass Valley, a Belden Brand, empowers customers to Create Control and Connect content wherever, however and whenever it is consumed.





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Winning Solutions

Key Application Areas

A background image for the 'Live Production' section showing a person operating a camera in a studio or broadcast environment.

Live Production

Better than being there.

Everywhere as it happens.

A background image for the 'News' section featuring a blurred bokeh of colorful lights in shades of blue, green, and yellow.

News

A background image for the 'Content Delivery' section showing a computer monitor with text like 'Content Delivery' and 'Push Asset' visible on the screen.

Content Delivery

Connect and monetize.

Build a solid foundation.

A background image for the 'Networking' section showing a network switch or server rack with glowing blue lights and fiber optic connections.

Networking

Live Production – Better than being there

- Cameras
- Switchers
- Replay
- Graphics



News – Everywhere it happens

- Video production and content management
- Automated production
- Servers and storage
- Editing



Content Delivery – Connect and monetize

- Integrated playout
- Master control and branding
- Cloud-enabled playout
- Graphics
- Captioning and subtitles





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Customer Stories

Customer Stories — Live Production

“This is a very significant investment. We believe that basing our infrastructure on emerging technology will deliver the most powerful and advanced OB trucks in the world, capable of providing the service and flexibility customers will be expecting and demanding in the coming years.”

Richard Yeowart, Group Managing Director,
Arena Television Limited, UK



Customer Stories — News

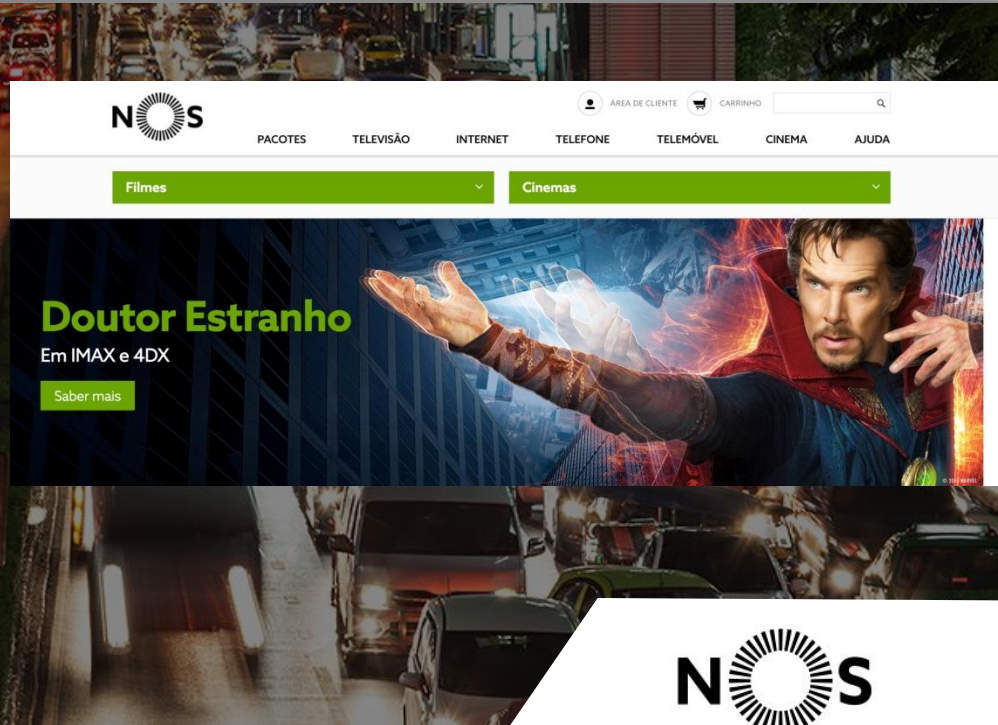
The Australian Broadcasting Corporation (ABC) is undertaking a massive two and a half year project to upgrade all of its news and current affairs facilities throughout the country, and has chosen Grass Valley as the systems integrator and editing equipment provider.



Customer Stories — Content Delivery

“The ability to purchase a system today and know that we can add more channels in the future or add new features by applying a software key means we can plan our business knowing iTX will be there to support us as we grow.”

Francisco Carreira, Head of Multimedia Production Center (CPM), NOS Audiovisuais



NOS
Audiovisuais

Customer Stories — Networking

“I spoke with other vendors, but Grass Valley’s product roadmap offered the most complete product solution to meet our current needs and provide the production capabilities to scale in the future.”

Gary Schneider, Global Production Systems Lead for Content Technology/Media Production, LinkedIn.

LinkedIn



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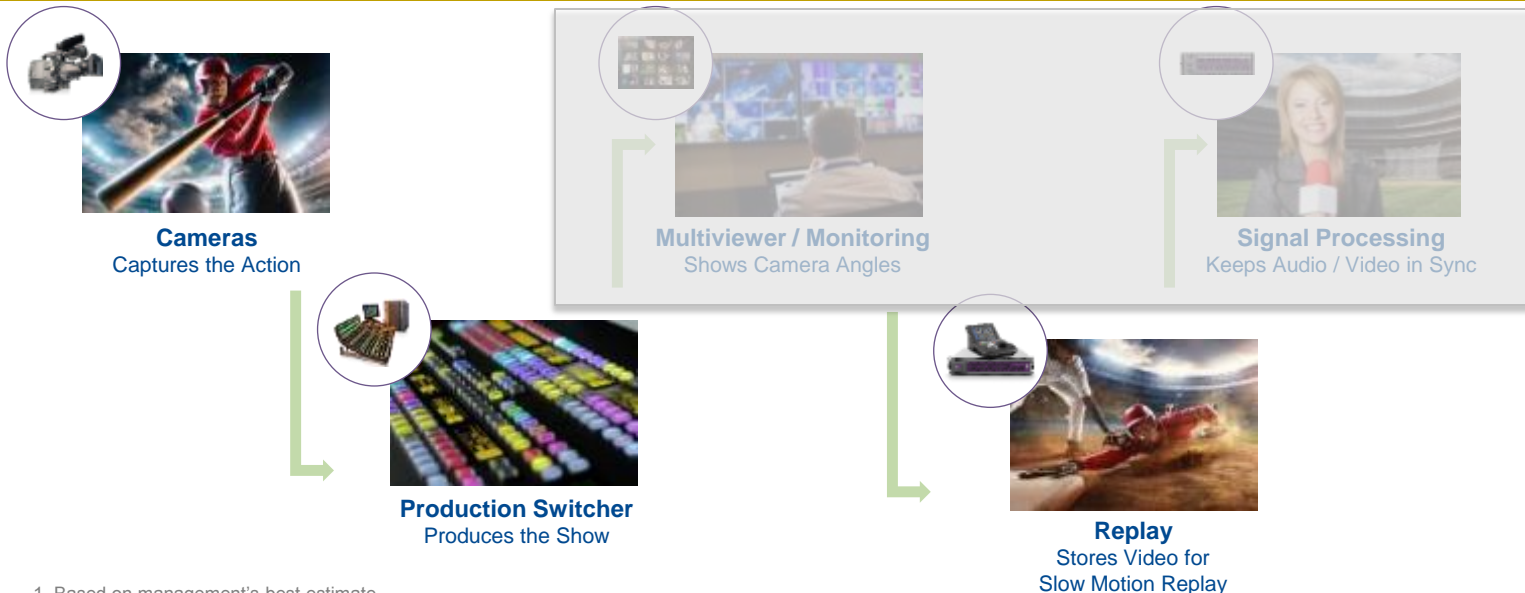
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Keeping your investments safe

Better than being there ...

Live Production

Delivering high quality storytelling capabilities for Live Production



1. Based on management's best estimate.

THE MARKET SHARE LEADER IN LIVE PRODUCTION AND THE ONLY VENDOR TO OFFER THE COMPLETE END-TO-END SOLUTION

Camera Portfolio



Focus 75 Live

Highly affordable HD camera system
High quality entry level HD camera system



LDX 82 / C82 Series

The most advanced HD camera system available
Add the „UHD“ features to HD market, supporting Native HDR and WCG



LDX (C)86/(C)86^N Series

The most powerful HD/UHD/high speed camera system available
Available in many versions addressing all the different challenges

3G or XF Transmission

3G triax, 3G Fiber, XF fiber,
Unique eXchangable XCU,
New UXF provides AIMS IP.



Camera 4 Year Roadmap



Higher Native Resolution

Higher Native Frame-rate

More IP-immersed

More camera form-factors

More Creative

Key Initiatives for 2018 – Camera Systems

Support new production formats: Take UHD to the next level

- 4K will double in the next 3 years
- Full 4K and HDR workflows

Leverage Innovation Leadership to support more cost effective productions

- Supporting AIMS Roadmap to provide flexibility and increase utilization towards Remote Production solutions

Increase product Quality and Reliability

- Optimize platforms to streamline operations
- 3rd party support to train and provide new insights for next generation products

LDX Enhancements

- Film frame rate formats
 - Required by more content creators to get that film look
 - Helps address new markets as well as current broadcaster increasing need
- HDR for Super Slow motion modes
 - Needed for complete HDR solution
 - Becoming competitive requirement



XCU UXF and advanced UXF Cradle

Grass Valley's essential step towards a **full IP live production** solution

- Support of **AIMS roadmap** with full 2022-7 redundancy and new ST 2110
- **Flexibility** by supporting **all video formats** over IP including high speed operation and HDR
- Full Hybrid XCU with SDI and IP creating **maximum production flexibility**
- New cradle with additional 4x MSA compliant SFP+ slots adding 12G SDI through SFP **for uncompressed 4K workflows**

XCU UNIVERSE UXF
XF FIBER



Switcher Portfolio: Flexible and Scalable

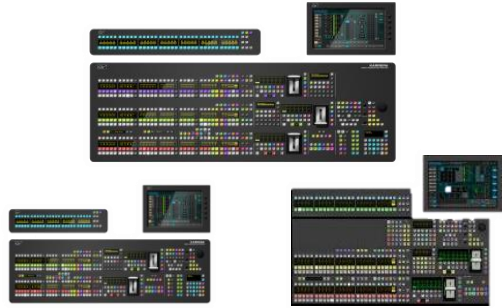
Control Surfaces



KSP
Software
Control



GV Korona 1, 2, & 3



Karrera 2, 2C & 3



Kayenne 1, 2, 3 & 4

K-Frame Video Processing Engines

K-Frame V-series – 3RU



Up to:
32* Inputs
16* Outputs
3 M/E plus 2 VPE
(*additional HDMI IO)

Compact Frame - 6RU



Up to:
80 Inputs
48 Outputs
5 M/E or
6 M/E in "S-series"

Standard Frame - 14 RU



Up to:
192 Inputs
96 Outputs
9 M/E

Key Initiatives for 2018 – Switchers

Support the GV IP end to end production deliverable message

- GV K-Frame X (Mustang Phase-1) for an ALL IP IO footprint, high end switcher
- Common ST 2110-20/30/40

Game-changer video processing engine

- Develop “Full Raster 4K” processing board set introduced into GV K-Frame X (Mustang Phase-2)
- Same M/E count in HD or UHD/4K with like functionality
- New internal conversion method

Continue to drive “lower cost” solutions without creative compromise

- Deliver EZ 4K software into “S” & “V” series
- Introduce IP IO boards into V-series along with 3D DPM board option
- Possible introduction of compact “X”

“GV K-Frame X” & v12.0

❖ New K-Frame chassis

- New air-flow cooling design – front to rear (bottom to top)
- Chassis: 15RU height + 1RU PSU
 - Depth: 24” from rack ears

❖ Continues as the largest IO footprint in the market – 192x96

- IP board(s), bi-directional mixed IO - 16x8 & 8x4 (also available in SDI)
- SFP28 compatible with both 10G or 25G ports
- SMPTE 2110 path with 2022-7 redundancy available
 - FCS with TR-04: 20222-6 / AES67

❖ SDI Conversion board

- 32 inputs & 16 outputs hardwired conversion
- Includes: 2SI<>SDQS

❖ Internal floating conversion

❖ Utilizes the current K-FRM-ME-DPM boards



K2/Dyno Family Portfolio

For Production Applications



Dyno Replay controller

- Windows based
- Works with K2 Summit
- Easy to Use controller

K2 Summit SDI/IP

- 3G or IP connectivity (SMPTE 2022-6)
- Capable of 4-wire 4K

K2 Storage

- Most scalable architecture of any real-time video-centric offering
- On-line, Production

Networking!

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What's New

- ❖ Long promised releases for GVC, GVN, IPG, & KIP
 - 2110, TR-04, 2022-6/7
 - NMOS IS-04
 - Cisco DCNM Integration
- ❖ 4K / HDR Offering
 - 4xQUAD Routing, Gateway, and Monitoring
 - Up-Conversion and Cross-Mapping
 - HDR Monitoring
 - TICO
 - HCO

Available NOW and through 1Q18

Key Market Trends

- ❖ Field Programmable HW
 - Meet customers' present and future needs
 - Optimize CapEx utilization
- ❖ SW, Virtualization, and Cloud
- ❖ IP Monitoring, Visualization, & Troubleshooting – Signal ≠ Wire
- ❖ Still big investments in SDI

Спасибо большое!

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