Produce the most engaging content from anywhere with the Vizrt Live Production Solution

Now more than ever, your studio needs to consistently produce high quality, engaging content or it risks losing viewership to the increasing competition from online channels and competitor broadcasters.

As someone responsible for bringing content to air and wowing your audiences every day, you need a more flexible live production solution that you can access from anywhere – the studio, your home, or out on the road with nothing but a laptop and an internet connection.

Video and audio switching, studio automation, and cutting-edge graphics are no longer confined to expensive and rigid on-premises setups. With the Vizrt Live Production Solution, you can remove the outdated ties to traditional on-premises studio hardware, freeing yourself to work on the most up-to-date broadcast software, accessible from anywhere.

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IT'S LIKE BEING IN A BROADCAST TRUCK, EXCEPT IN THE CLOUD

Lewis Smithingham,
Creative Lead,
Media.Monks

Products in the Vizrt Live Production Solution

4K switching, DDR, and audio mixing with Viz Vectar Plus

Combining NDI®-based audio application interconnectivity, multiple version program output, remote operation, and integration of video conference call applications as live sources, Viz Vectar Plus provides the future of software-based switching in the cloud or on premise.

✓ 44 external NDI® sources
✓ 8-M/E video mixing, plus PreViz
✓ 15 frame buffers
✓ 68 Keyers
✓ 16 Outputs
✓ 4 DDR media players (NDI®) (with key+fill)
✓ Built-in 44 channel audio mixer
✓ 3 configurable multiviewers
✓ ISO and Output recording
✓ Configurable video and audio delays at every input
✓ 3 integrated streaming encoders
✓ Extensive macro and automation capabilities
✓ Custom panel creation in operator UI and web browser
✓ Control via UI or 2-stripe or 4-stripe physical control surface

Viz Vectar Plus

Simply the best real-time broadcast graphics with Viz Engine

With superb photo-realism, stunning effects and advanced compositing features combined with unrivalled performance, Viz Engine reduces complexity so you can increase your creativity. With absolute reliability, speed, and precise control, you get access to the best graphics in the world to help you produce the most engaging, high-quality content possible.

✓ High performance real-time 2D and 3D rendering, compositing, and processing
✓ Simultaneous rendering pipeline including Unreal Engine 4
✓ Multi-channel graphics and video playout with key + fill
✓ NDI input and output support
✓ Embedded audio
✓ Versatile plug-in API with 600+ plug-ins available
✓ Option to run embedded in Viz Vectar Plus

Viz Engine

Viz Trio

Control your live graphics with the world's most advanced CG

Viz Trio is the number-one character generator (CG) for live televised events anywhere in the world. The system's flexibility and the high level of built-in intelligence sets it apart from the rest.

✓ Template-based and real-time 3D graphics
✓ Transition Logic
✓ Live Motion Graphics
✓ Preview while editing
✓ Automation system control
✓ Multiple channel control
✓ Supports HD and UHD

Viz Mosart

Create consistent, error-free content with Viz Mosart studio automation

Viz Mosart represents the best of simplified operation and advanced device control, providing the highest quality and speed while eliminating mistakes and lowering operational costs for greater flexibility in news, sports, and other live productions.

✓ Brand assurance guaranteed
✓ Production accuracy
✓ Freedom to change on-air
✓ Instant feedback from controlled devices
✓ Integration with most NRCS
✓ Customizable UI and shortcuts
✓ Seamless control of Vizrt Live Production components

Easily produce quality content – from anywhere in the world

With the pressure of producing live content, you need production tools that make it as easy as possible to create great content. The Vizrt Live Production Solution gives you intuitive software-based control panels that make it easy for you to remotely control and produce entire productions from any compatible desktop or mobile device, **giving you the freedom and flexibility you need to collaborate and produce engaging content from anywhere**. Production-ready hardware control panels are available, plus a panel builder tool to design custom software panels geared toward unique productions and workflows.

Quality - delivered to any platform or output

Create the best quality content you can. Aspect ratio, resolution, and frame rate independent, and capable of simultaneously delivering multiple program versions and streaming formats with two streaming encoders for various screen types, **Vizrt Live Production helps ensure your content is enjoyed by as many viewers and on as many devices as possible.**

Bring in any guest from anywhere

Make your content more engaging or your viewers by incorporating millions of available video and audio sources via NDI®. Camera feeds, mobile devices, video and audio conferencing and more – all can be easily used in your live productions. As the only live production tool to natively leverage NDI® 5, **the Vizrt Live Production Solution enables you to produce far more engaging, interesting, and diverse content.**
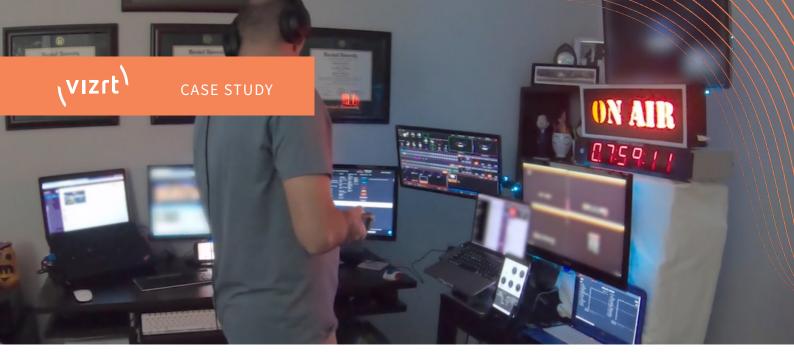
As the most-used IP standard in the world working across existing IT infrastructures, NDI® eliminates the significant, cost-prohibitive infrastructure investments with restrictive overhead requirements that new technologies often present.

Access to enterprise tools at cost-effective prices

With Vizrt's Flexible Access plans, **smaller broadcasters can affordably access the same enterprise-grade broadcast software that's in use by major broadcasters** like the BBC, Sky, CNN, Al Jazeera, and Fox. With the Vizrt Live Production Solution enabling greater production of more engaging content – and the monetization that comes with it – you can be sure that your management teams will see rapid return on investment.

Diversify your skillset with more varied productions

By adopting cloud-based live production technology, your studio opens up far more production opportunities. Whether it's new permanent channels or on-demand programming for events, **the Vizrt Live Production Solution makes it easier than ever for you to diversify your skillset and enhance your career by getting involved in more varied productions**, regardless of where you're located.

Media.Monks remotely produce 20 sports games in 4K - despite serious COVID restrictions

The customer

Media.Monks – a global digital-first marketing and advertising services company – were tasked by a major US sports league to remotely produce 20 sports games in pristine 4K UHD

The challenge

COVID-restricted to 2 on-site technicians and a mere 4x4ft tabletop encoding setup, traditional on-site production with OB trucks wasn't possible. Media.Monks needed a solution that would enable their global team to remotely produce the games with a slim on-site presence
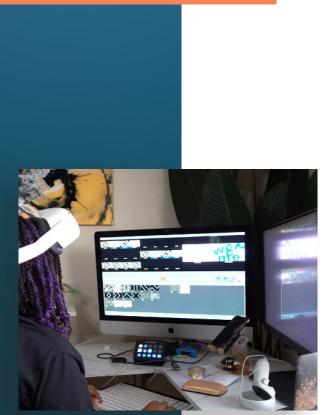
The solution

- 6 fixed (unmanned) cameras in the stadium
- 2 Media.Monks Technicians on-site monitoring 20+ Haivision SRT encoders
- Viz Vectar Plus deployed in the cloud for remotely controlled 4K switching

The result

20 games remotely produced in 4K UHD with zero issues, with real-time global collaboration from Media.Monks' production staff from the UK, US, and Brazil.

Following the success of this project, Media.Monks now have almost all of their production staff using the Vizrt Live Production Solution for their client projects, helping Media.Monks to enjoy their most productive year ever – despite the COVID-19 pandemic!

> "
>
> *It's like being in a broadcast truck, except in the cloud*
>
> Lewis Smithingham,
> Creative Lead,
> Media.Monks
>
> Watch the Media.Monks case study video **here** for more information!

Why broadcasters are switching to cloud-based live productions

Better quality content, reduced climate impact, decreased time-to-market – there are many reasons regional and national broadcasters are exploring the benefits of cloud-based live production.

Wow your audience with better content

Cloud-based live production tools make it easier to use your best team - not the most local team - for each production, **while NDI-native connectivity ensures you can add millions of audio and video sources to make your content more interesting and engaging** so you can wow your audiences.

Cloud-based live productions produce over

90% less CO₂

than traditional broadcasts

Reduce your climate impact

Live production in the cloud helps carbon-conscious broadcasters combat their environmental impact by **reducing carbon footprint by over 90%** compared to traditional broadcast channels*.

*As reported by David Travis, Group Director of Content, Broadcast & Platforms at Sky during the <u>AWS M&E Symposium 2021</u>. Sky News' cloud-based productions produce 10kgs of carbon vs. 119kgs per 9 hours of programming for traditional broadcasts

61%
TCO SAVINGS

Improved IT spending, resilience, TCO, and staff productivity

The cloud provides significant TCO savings for IT spend, with **Discovery, Inc. reporting 61% TCO savings** when switching to the cloud. Additionally, the cloud's inherent increased IT resilience can **reduce tactical IT tasks by 50%**, freeing IT staff to work on more productive and innovative projects.

Decreasing time-to-market

Cloud-based live production environments can be spun up in minutes, compared to the weeks or months it can take for a traditional setup. To evidence this, Kevin McCue, Director of Group Production Platforms at Sky explained during the AWS EMEA M&E Symposium 2021 how they reduced their time-to-market from 6 months for traditional channel deployment to just 3-4 weeks for the COP26 cloud-based programming.

With cloud-based live productions, creating new channels for core or peripheral on-demand programming becomes so much simpler, allowing your teams to focus on keeping your audiences informed and engaged.

Test. Fail quickly and cheaply. Test again. Repeat

In traditional broadcast technology stacks, you only really get one shot to get it right, and any form of failure is a serious problem. With software-based production tools and the flexibility and scalability benefits of cloud computing you can test new things. If all fails, it fails quickly and cheaply. It isn't the end all be all, simply change it up, and test it again. Cloud as a platform enables broadcasters to easily see what works and what doesn't until it meets their exact needs.

Produce from anywhere - in the studio, on site, or from home

Produce amazing content from anywhere, whether that's in the studio, on-location, or from home.

Deployable on-premises, in the cloud, or as a hybrid solution, the Vizrt Live Production Solution gives you complete freedom to access your production tools from anywhere.

"We love the Cloud because we can test new things, fail fast, learn from it, and go again until you get it right"

David Travis, Sky UK, speaking at the AWS M&E Symposium (2021)

Deployable on all major cloud providers

aws

▲ Azure

Google Cloud Platform

Learn more at **vizrt.com**

Focus on delivering great productions with a more flexible control solution and see rapid return on investment with Vizrt's Flexible Access plans and customizable options designed to suit your specific needs, now and in the future.

VIZRT LIVE PRODUCTION SOLUTION		CAPABILITIES
Switching	44 Inputs, 8 M/Es, 8 Mix Outputs, up to UHD 2160p60	✓
	Multiviewer	✓
	Audio mixing, 44 channels	✓
	Clip Playback and Recoding	✓
	Live Call Connect	✓
	Live Panel™	✓
NDI®	NDI® Bridge	✓
	NDI® KVM	✓
Cloud	AWS, Azure and Google deployable	✓
Support	Vizrt 24/7 Support	✓
OPTIONS		
Graphics	Vizrt Graphics Channels (Viz Engine)	o
	Graphics Control Clients (Viz Trio)	o
	Graphics sharing database (Graphic Hub)	o
	UHD graphics support	o
Automation	Vizrt Studio Automation (Viz Mosart)	o
	Showmaker rundown builder	o
	NRCS integration	o
	Control of Vision Mixer and Graphics Engines	o
	Control of Audio Mixers	o
	Control Video Servers	o
Control Surfaces	Dual row hardware panel	o
	Quad row hardware panel	o

Vizrt Flexible Access Support is a global support organization providing unlimited 24/7 support for critical production-down issues, a detailed ticketing system for raising and monitoring support tickets, access to an evolving and searchable online product support knowledgebase, and unlimited user access to Viz University product training courses for rapid user onboarding

✓	Included
o	available

Learn more at **vizrt.com**

About Vizrt

Vizrt® is the world's leading provider of innovative visual storytelling tools for media content creators in broadcast, enterprise, or new media – unlocking the power of a story for all.

Vizrt offers market-defining software-based solutions for real-time 3D graphics, video playout, studio automation, sports analysis, media asset management, and journalist story tools.

More than three billion people watch stories told by Vizrt customers everyday including from media companies such as CNN, CBS, NBC, Fox, BBC, BSkyB, Sky Sports, Al Jazeera, NDR, ZDF, Network 18, Tencent, and many more.