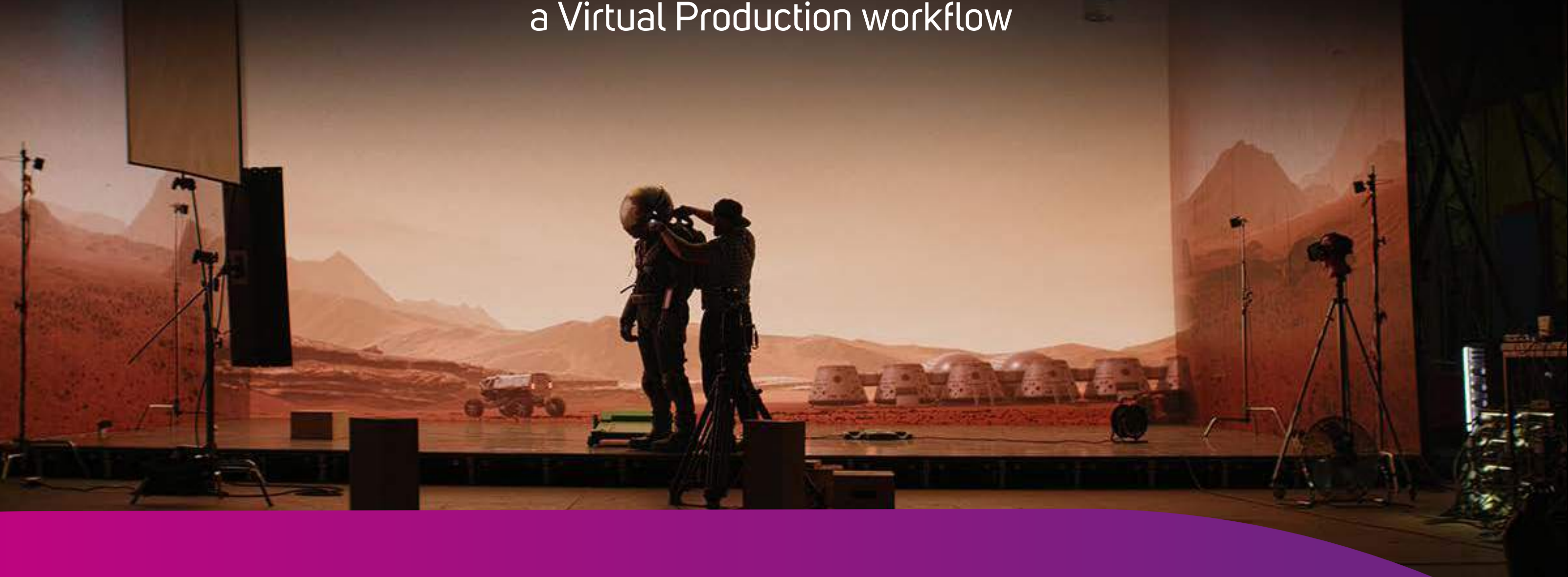


Virtual Production In Education

Scan Pro Video solutions for integrating
a Virtual Production workflow



Being hands-on with the latest technologies and techniques is the best way to prepare students for when they enter the industry. Virtual production is rapidly being adopted and in the Unreal Engine Virtual Production Field Guide they explain how this is going to be further adopted in the future, with the demand for professionals who possess knowledge and experience in the area already here.

"There's a great demand for personnel with virtual production experience. The skills required for virtual production are multidisciplinary; a traditional, on-set filmmaking and storytelling foundation, combined with real-time and 3D artistry. Just by reading this far, you've already given yourself a competitive advantage."

- Noah Kadner, *The Virtual Production Field Guide*



What is Virtual Production?

If you're new to the world of virtual production or looking to learn more, we've created a guide that covers everything from the types of virtual production, its benefits and how it can be incorporated into different workflows.

[READ THE GUIDE](#)

When you first think of virtual production you might think of the behind-the-scenes on some of the latest big-budget productions. However, as we've seen in the past with previous filmmaking methods and technologies, we are already seeing this being adopted by productions of all different sizes, with it due to become a normal part of a studio or productions setup in coming years.

When it comes to gaining a competitive edge, Scan Pro Video's expertise and support can help you to introduce students to a virtual production workflow and provide first-hand experience with the tools they will face in the real-world.

Solutions we provide

3XS Virtual Production Workstations

On a virtual production set, the workstation is the brain of the workflow, driving multiple elements to output to LED Walls in real-time. Working in real-time is no small task and our systems are finely-tuned to handle the demands this brings.

Scan Pro Video workstations are relied on in a variety of industries to power some of the most advanced production and post-production workflows. Configured exactly to match requirements, our range of virtual production workstations are no exception to this.

[FIND OUT MORE](#)



LED Walls

We are uniquely able to provide solutions for both ends of a virtual production set, from output to display, with our support on the specification and integration of LED walls. To achieve the best results in a virtual production workflow it's important to make sure the LED display can match the capabilities of today's cinema cameras, such as the frame rate, bit-rate, colour space and dynamic range and our LED wall solutions provide just that. Some of the pros of using LED walls instead of traditional green screens:

- Capture VFX in-camera. Directors and DOPs can now see the full picture through the lens, live on set, and work with the technical team to make real-time adjustments pre-shooting
- Realistic reflections. Previously the bane of post-production, now reflections are immediately accurately captured on set, reflecting the "world" around the actors on all set and costumes
- Realistic ambient lighting. LED panels deliver dynamic and nuanced coloured light, creating a much more lifelike environment to be captured in camera, saving time in grading later on
- Immersive on-set experience. Create a seamless blend of physical set with pre-shot or VFX environments, so that for the first-time actors and the creative team can see and react to a CGI world in real time

One of the misconceptions about a virtual production workflow is that it requires a full 360-degree, multi-story LED wall that you may have seen in a behind-the-scenes video. While beneficial to some large-scale productions, this isn't the case for all and one of the advantages of LED Walls is that because they are built from modular cabinets they can be scaled to size and budget.

Camera Equipment

No matter the level of production, we supply the necessary production gear and a Virtual Production workflow is no exception. Our team of experts can help guide on the necessary kit and assist in how to integrate it in to this workflow.

From previs to virtual scouting, existing VR technologies are already proving to be valuable components in the visualisation stages of virtual production and are quickly being utilised in this space. As suppliers of a variety of the latest VR systems and accessories, we already possess the necessary expertise in this technology.

[FIND OUT MORE](#)



NVIDIA Omniverse

Scan's partnership with NVIDIA, combined with our expertise in delivering and supporting virtual solutions means we are able to offer access to the ground-breaking platform, NVIDIA Omniverse Enterprise.

NVIDIA's Omniverse Enterprise is a real-time collaboration platform that allows user to create, iterate and collaborate on assets using a variety of creative applications to deliver real-time results. With virtual production combining live action and computer-rendered effects, Omniverse can bring several artists together remotely to collaborate on everything down to the compositing in real-time.

With it being widely adopted by multiple of areas of the industry already, becoming familiar with the platform early is proving to be a competitive edge as the demand for this technology from studios is only growing.



Find out more about NVIDIA Omniverse and a free Proof of Concept:

[FIND OUT MORE](#)

Contact the Scan Pro Video team for more information at:
scanprovideo@scan.co.uk or 01204 474749