

Case Study:

4K+ Post Production



Hangman Studios

Solution Summary

At a Glance

- Hangman Studios is joining The Rolling Stones on tour and capturing all the action in 4K+
- Hangman Studios will use two PROMISE Pegasus2 R6 as backup and production drives along with the new Mac Pro as a portable, next generation desktop editing system

Workflow

- Footage shot in 4K/5K and offloaded daily to Pegasus2 drives
- Will be edited natively with Apple Final Cut Pro and Mac Pro connected to Pegasus2
- Media will be DITed on location and edited continually for immediate deliveries and approvals with further editing within hotel rooms
- A second Pegasus2 (RAID 5) will be kept with production as a backup and a duplicate whilst traveling
- Every few days the Mac Pro and Pegasus2 will be packed up and carried in their hand luggage

Gear List

- [2x PROMISE Pegasus2 R6 \(18TB\)](#)
- [Apple Mac Pro 6-Core](#)
- [2x Apple MacBook Pro](#)
- [RED Epic Cameras](#)
- [Blackmagic Production Cameras 4K](#)
- [Blackmagic Pocket Cinema Cameras](#)
- [Sony NEX FS700 Cameras](#)
- [GoPro Hero 3 Cameras](#)
- [Apple Final Cut Pro X](#)

Bringing The Rolling Stones Tour to Fans in 4K+ with Pegasus2



Editor Matt Cronin from Hangman Studios with the new Pegasus2 and Mac Pro

Meet Hangman Studios

Founded in 2001, Hangman Studios is a pioneering production and post production company specializing in music based projects, including creating music videos and directing, filming and producing live concerts, documentaries and shorts. Based out of London, UK, Hangman Studios, and its director and founder James Tonkin, have been pioneers in the industry due to their early adoption of new technologies and willingness to embrace change. Driven by an obsessive compulsion to produce the very highest end results, Hangman Studios have worked with some of the biggest names in music, including Robbie Williams, Coldplay, Duran Duran, and The Rolling Stones who Hangman will join on tour for two months to capture all of the rocking action in 4K and 5K.

Touring with The Rolling Stones and filming in 4K and 5K placed a serious demand by Hangman Studios for fast, reliable and large storage, but in a portable RAID package that could be taken on the road. Hangman Studios use large rack based SAN drives within their studio, but on the road they have never had a solution that could allow them to edit effectively whilst on tour. Previously, Hangman had used smaller RAID enclosures via USB/FireWire or a lot of small portable USB drives but the introduction of Pegasus2 from PROMISE Technology, the first hardware RAID storage solution with Thunderbolt 2, has introduced new capabilities and possibilities for content creators working with high-resolution files. Running bi-directionally at 20Gbps, Thunderbolt 2 is a breakthrough technology for video creators and multimedia professionals allowing for simultaneous transfer and display of high-bandwidth 3D and 4K+ video files. With Hangman Studios' history of adopting new technologies, they quickly turned to PROMISE as they realized that the performance of Pegasus2 could revolutionize how they work.



Engineered for the creative.

The world's fastest Thunderbolt 2 RAID Storage

“Pegasus2 and Thunderbolt 2 technology opened a whole new way to look at creative workflows and that’s really exciting because we love to push the boundaries on what is possible to help us deliver the most amazing results to our clients.”

Portable, Next Generation Desktop Editing System

Touring with The Rolling Stones for two months presents countless moments that must be filmed to truly capture the incredible experience of seeing one of the world’s most famous bands in concert. Hangman Studios will work natively in 5K in realtime for the duration of the tour, making them one of the first to set up this innovative portable editing system with the new Mac Pro and Pegasus2. Two Pegasus2 R6 18TB enclosures will go on the road with Hangman Studios to provide all of their data storage needs whilst filming the tour. Hangman Studios will film a mixture of documentary reportage content daily with different cameras from RED, Blackmagic, Sony and GoPro. The content captured will include artists traveling, backstage, city shots, concert shots, messages to camera and much more. Every day they will offload 5K footage onto the Pegasus2 RAID enclosures which they will then edit natively within Final Cut Pro X with a new Apple Mac Pro connected to the Pegasus2 via Thunderbolt 2. All media will be DITed on location (at the venue) and edited continually for immediate deliveries and approvals with further editing occurring within hotel rooms.

The Pegasus2 enclosures will literally be the heart of their operation as they will be both backup and also their main production drives to work from delivering content daily, to very intense deadlines. The second Pegasus2 will be kept with production as a duplicate of the first for backup whilst traveling. Data will always be in two different places at all times and always on RAID 5 protected Pegasus2 enclosures. Every few days Hangman Studios will pack up and fly to the next country with the Mac Pro and Pegasus2 carried in their hand luggage as a portable, next generation desktop editing system.

Unprecedented Functionality and Performance

Hangman Studios chose the Pegasus2 to be the heart of their operation because it’s the only solution that met their needs for performance, capacity, portability and reliability. As the first storage solution with Thunderbolt 2 technology, Pegasus2 not only stands out for its innovation but it continues PROMISE’s tradition of building storage solutions for the media and entertainment industry that deliver unprecedented functionality and performance.

“Pegasus2 and Thunderbolt 2 technology opened a whole new way to look at creative workflows and that’s really exciting because we love to push the boundaries on what is possible to help us deliver the most amazing results to our clients,” said James Tonkin, Director, Hangman Studios.



Hangman Studios

- Founded in 2001 in London, UK
- Produce commercials, music videos, live concerts and films
- Over its history clients include Robbie Williams, Coldplay, T-Mobile, Sander van Doorn, Duran Duran, The Rolling Stones and more
- Guiding philosophy is to embrace innovation to deliver the highest quality results within the given time and budget

Learn more: www.hangmanstudios.com

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Vimeo: vimeo.com/hangman

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