

# Final Cut Studio Solutions

Third-Party integration featuring Red



## The Solution

The Red One 4K digital cinema camera is designed for flexibility and functionality. The Red One camera can be configured for a variety of shooting options addressing the feature film, broadcast and indie markets.



The Red One sensor is a Super 35mm cine sized sensor which provides 4K, 3K and 2K capture in a 12bit native RAW format.

Supporting the 4K sensor requires extremely high quality lenses. The Red One camera supports standard PL mount lenses including the Red 18-50mm, Red 50-150mm, Red 300mm as well as professional lenses from manufacturers like Zeiss, Cooke and Angenieux.

In addition to on-camera monitoring, Red provides two additional monitoring options for the Red One camera. The Red-EVF is a high-resolution electronic viewfinder providing a 720p feed of the RAW image with SurroundView and frame overlays. For video assists, Red has an HD video tap of the RAW sensor also with SurroundView - supporting Rec 709 10bit 4:2:2 at 1280 x 720 pixels.

A critical component and workhorse of the Red One camera is its storage systems. The 320GB Red Drive is outboard media that interface with the camera via the drive connector LEMO. The Red Flash Drive is similar to the Red Drive but is made up of solid-state media instead of spinning media. Red RAM is made up of two 2.5" 32GB solid-state laptop flash drives arranged in a hardware-based RAID 0.

Powering the entire system is the Red One Power Pack which included the Red Charger and two Red Brick batteries. The battery mounts on the camera via a v-mount plate and was designed with single handed operation in mind.

## Products highlights

### High Resolution

Super 35mm sensor captures 4K, 3K and 2K at frame rates from 24fps up to 120fps

### Flexible Accessories

- Monitoring - the Red Electronic Viewfinder, LCD w/ flexible arm.
- Camera support - the Red Cage, Red Rail and Red Grip system.
- Storage - the Red Drive, the Red Flash and Red Ram

### Lenses

Professional optics rated for 4K resolution include the Red 18-50mm, Red 50-150mm, Red 300mm F2.8 and the Red Prime Set.

Support for standard PL mount lenses

### Storage

- Options include the Red Drive with 320GB or 2 - 3 hours of 4K footage.
- Red Flash Drive
- Red RAM with up to 30 to 40 minutes of 4K footage which can be inserted into the Red Compact Flash read/write module.

### Power System

Portable power comes in the form of the Red One Power Pack which includes two Red Brick lightweight batteries and the Red Charger

### Monitoring Options

During production monitoring options include the Red - EVF, the Red LCD along with an HD video tap from the camera



The idea behind the RED camera system is simple. Design and build a high performance digital cine camera with the quality of 35mm film and convenience of pure digital. RED delivers unmatched image quality with no recording system limitations. [www.red.com](http://www.red.com)