

STARKISH XPANDER LENS

Large sensor sizes create beautiful images, but they can also pose problems without the right equipment. By attaching the Xpander Lens to your cinema lenses, you can now enjoy full scale ability to shoot with large sensors including 6K without compromising focal length capability.

The Kish Xpander Lens allows full sensor coverage for the ARRI Alexa and RED Dragon cameras and is compatible for a wide range of cinema lenses to prevent vignetting:



- Angenieux Optimo 17-80mm zoom lens
- Angenieux Optimo 24-290mm zoom lens
- Angenieux Compact Optimo zooms
- Cooke 18-100mm zoom lens
- Angenieux 17-102mm zoom lens
- Angenieux 25-250mm HR zoom lens

Whether you are shooting with the ARRI Alexa Open Gate or Red Dragon 6K, the Xpander Lens is the latest critical attachment necessary to prevent vignetting so you can maximize the most out of large sensor coverage.

SPECIFICATIONS

Version 1,15

Image expansion factor: 15 % larger (nominal)

Focal Length: X 1.15

Light loss: 1/3 to 1/2 stop

Version 1,21

Image expansion factor: 21 % larger (nominal)

Focal length 1.21

Light Loss 1/2 to 2/3 stop

THE XPANDER LENS VS. THE RANGE EXTENDER

Even though the Lens Xpander functions similar to the lens range extender attachment, in terms of focal length and light loss factors, there is one fundamental difference to appreciate. The Xpander gives a larger image dimension by expanding the original image to cover a larger sensor area. This accessory is designed to maintain the optical performance over the larger image area.

On the other hand, the range extender is also magnifying the image (focal length gets longer) but this attachment only needs to maintain the optical performance over the original image area. Thus, the Xpander Lens is a more demanding and critical optical attachment.

The Xpander Lens can be attached to most existing lenses where there is enough air space between the back of the lens and the first filter or obstacle in front of the sensor. The current lens mount on the rear of the lens (normally PL or PV) is removed and replaced by the attachment which incorporates the Xpander within a new mount on the lens. Upcoming compatibilities include Fujinon and Canon zooms. The Xpander is not compatible with spinning mirror-shutter cameras.

By attaching the Xpander Lens to your cinema lenses, you can now enjoy full scale ability to shoot with large sensors including 6K without compromising focal length capability.

ARRI Alexa Plus Open Gate using the 24-290mm Optimo Zoom

Images courtesy of Bill Bennett, ASC



Without the XPANDER LENS

Frame: Open Gate 3.4K

Lens setting: 24mm

Lens vignetting up to 55mm



Using the XPANDER LENS

Frame: Open Gate 3.4K

Lens setting: 24mm

Full frame sensor coverage

24-290mm



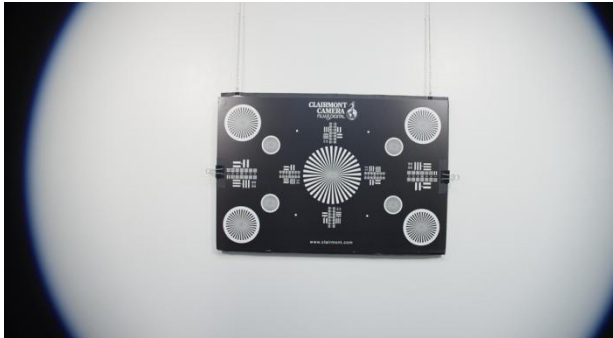
Bill Bennett, ASC shooting ARRI Alexa Open Gate using the Xpander Lens on the 24-290mm Optimo Zoom



Bill Bennett, ASC easily attaching the Xpander Lens



RED Dragon 6K using the 17-80mm Angenieux Optimo Zoom Lens



Without the XPANDER LENS
Lens setting: 17mm, 6k at 6ft



Using the XPANDER LENS (1,21 / 21%)
Lens setting: 17mm, 6k at 6ft



RED Dragon 6K using the 24-290mm Angenieux Optimo Zoom Lens



Without the XPANDER LENS
Lens setting: 24mm, 6k at 6ft



Using the XPANDER LENS (1,15 / 15%)
Lens setting: 24mm, 6k at 6ft

AVAILABILITY

The Starkish Xpander Lens is available directly from P+S Technik office in Munich or the PS-Onlinestore.

For more information also visit our website www.pstechnik.de or contact us by email sales@pstechnik.de or call +49 / (0)89 / 45 09 82-30