



World's First 4K Underwater Camera System
A revolutionary housing for RED EPIC™ and SCARLET™ cameras
using Nikon Nikonos submersible lenses



- The smallest housing in the industry weighing less than 5kg
- Patent-pending submersible lens mount
- Enables 5-second lens changes
- Eliminates dome ports and flat ports affecting image quality
- Reliable precision engineered aluminium body with Titanium controls

For the first time, cinematographers can now capture the true beauty of the underwater world with 4K images from edge to edge – images made for the world's biggest screens. And they can do so at an affordable price.

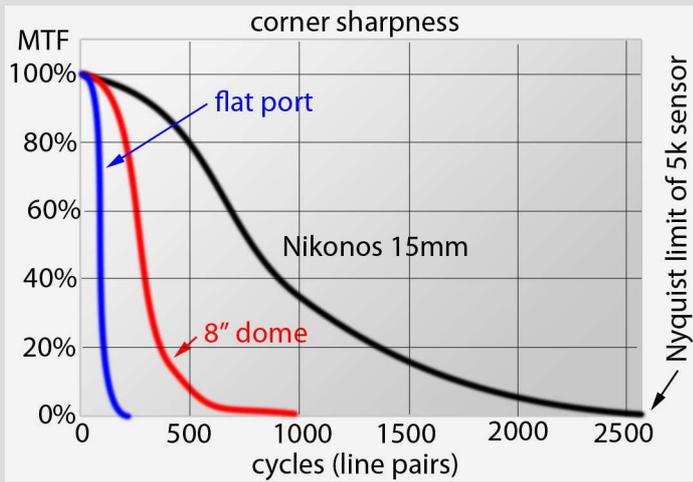
Until now, the quality of underwater cinematography has been severely compromised by the need to use dome ports and lenses designed for use above water. As a result, even reputable large format camera systems struggle to produce images equivalent to standard definition in the centre of the picture. And, away from the centre, the image quality deteriorates dramatically.

DeepX is set to change underwater film-making forever.

Using Nikonos lenses, uniquely designed for underwater use and considered by many professional photographers to be the sharpest underwater optics ever designed, DeepX creates images in full 4K resolution – from edge to edge. With the lens mounted outside the housing, it's the only underwater camera system on the market that can actually exceed the resolution of the Red™ Epic camera itself.



- Sharp to the Edge

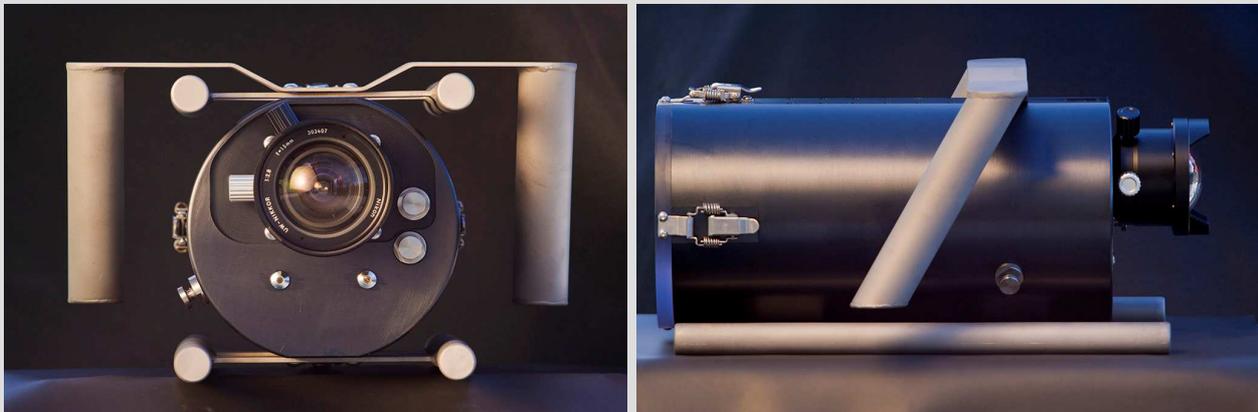


RESOLUTION

Chart showing comparative corner resolution of typical underwater camera systems in use today.

Only DeepX that uses Nikon Nikonos lenses reaches the Nyquist frequency limit - the theoretical maximum resolution of the camera sensor.

The DeepX housing does not require a lens mount as the camera attaches directly onto the housing. You will also not require a lens servo motors or lens ports, as the Nikonos lenses are mounted outside the housing. These features provide additional cost benefits, as well as significant weight reduction and reliability.



Choice of Nikon Nikonos lenses available for DeepX:

- Nikon UW-Nikkor 15mm F/2.8N
- Nikon LW-Nikkor 28mm F/2.8 (water resistant, land only use)
- Nikon UW-Nikkor 35mm F/2.5
- Nikon W-Nikkor 80mm F/4.0 (underwater and land use)
- Sea&Sea 12mm fisheye

	DeepX™	Traditional underwater camera systems
Weight (housing only)	4.5kg (10 lb)	15 - 100kg (33 - 220 lb)
Weight (with camera)	9.5kg (21 lb)	20 - 100kg (44 - 220lb)
Horizontal Resolution (centre)	3000+ line pairs	2000+ line pairs
Horizontal Resolution (corner)	3000+ line pairs	100 ~ 300 line pairs
Lens change time (minimum)	5 seconds	3 minutes - 3 hours

DeepX is designed, precision engineered and manufactured to international ISO 9001 standard - matching high-tech camera equipment without the matching price tag.

For further information, visit www.achtel.com