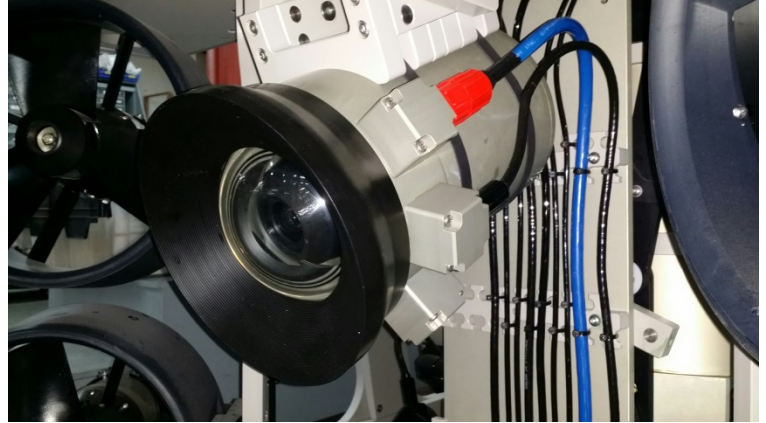# Network HD/4K Camera

Fiber optic and electronic multiplexers are not only expensive, they are limited in their number of available channels. Nuytco has addressed this problem with its ultra-low latency, over network camera, which has a staggering glass to glass delay of only 46m seconds. Because the video is served over your network, you're only limited by bandwidth – on a 10Gbps uplink that that equates to 70+ HD, or 35+ 4K cameras!

The fact that the cameras are over network also eliminates the need for fiber optic or coaxial connectors on board your vehicle; signals are transmitted over relatively inexpensive cat 5 cables.

Topside video is hardware decoded, where it can be connected easily to your video system of choice (no computer required for decoding/recording).

Connectors are mounted forward on the camera housing for their protection and can be located on any side to make sure they stay safely out of the way.

The cinema-grade camera is serially controlled and is equipped standard with (35mm equivalent) 24-100mm zoom lens. The housing also will accept a wide angle adapter, or wide angle prime lenses.

The camera is native 4K and the 4K stream can also be served over the network, but with a latency of about 200m seconds. This makes it too laggy for real-time piloting tasks, but perfectly for real time observation by clients, scientists etc. The camera is capable of providing both HD and 4K simultaneously.*

Nuytco also has an excellent video overlay solution for both HD and 4K streams that we are happy to customize to your system.

*When streaming both HD and 4K simultaneously frame rates both must be set to 30p, HD latency increases to 140m seconds.
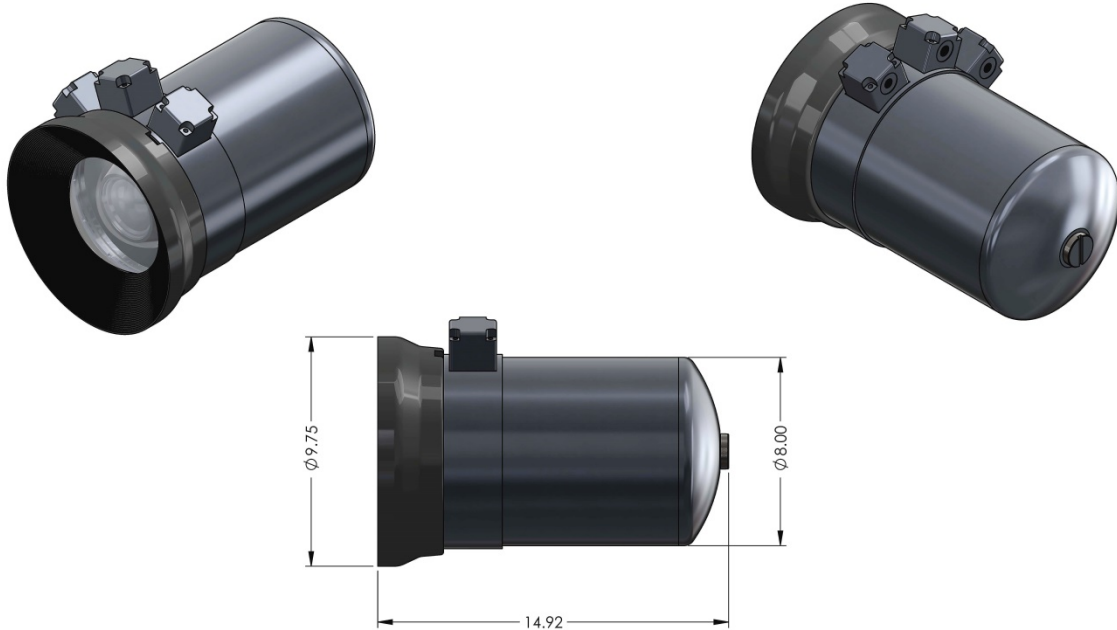
Specifications:

Voltage Input: 24 VDC
Lens: Dome
Focal length: (35mm equivalent) 24-100mm (options available)
Bandwidth req (HD): 100-200Mbps
Bandwidth req (4K): 200-800Mbps
Output: 1Gbps network
Depth rating: 2000m standard (4000m optional)
Air weight: 40 lbs approx.
Water weight: 20 lbs approx.
Control: Serial 232
Bulkhead: 3 positions, configurable
Connector: SubConn DBH13 standard
Cable length: tested up to 7m