



HYDRUS VR

Underwater 3D Virtual Reality

Incorporating SONY's newest ultra low light chip, HYDRUS VR captures 4k imaging like no other system. The 10 camera array features the SONY UMC-S3CA cinema camera, custom lenses from SLR Magic and proprietary realtime control software. HYDRUS VR produces both a stitched image resolution of 8192 x 4096 spherical at 30 frames and Stereo 4k. Whether for storytelling or research, HYDRUS VR is the right tool for the virtual underwater experience.



CAMERA MODEL

SONY Ultra Low-Light UMC-S3CA

IMAGING FEATURES

Eight Cameras in a horizontal radial array with 60 percent overlap

Two Cameras on a vertical axis in the nadir

Individual Camera Resolution UHD 3840x2160

Genlock tri-level sync

XAVCS 4K Recoding Format

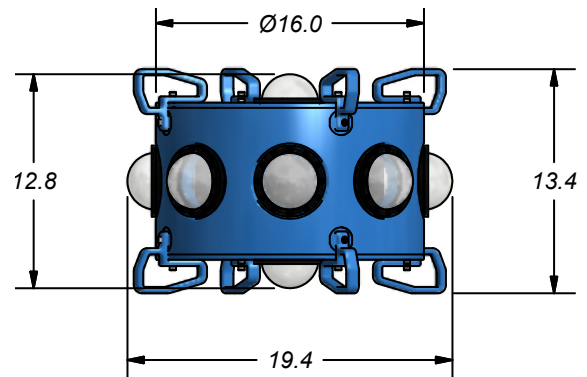
8+ hours Record Time

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MECHANICAL SPECIFICATIONS

Maximum Working Depth	300m
Maximum Battery Life:	2 hours
Camera Weight:	75lbs
Salt Water Buoyancy:	Neutral

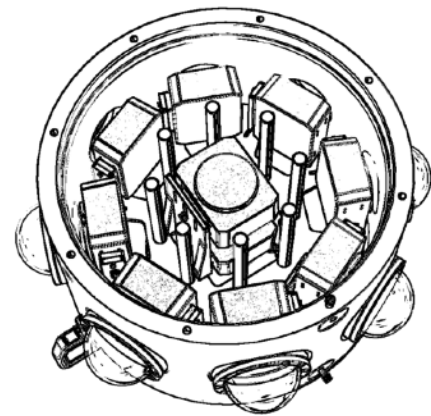


CONTROL & MONITORING

Real time Controls
Power On/Off
ISO UP/Down
Shutter Up/Down
Record Start/Stop
9 Camera monitoring

OUTPUT SPECIFICATIONS

8192 x 4096 mono spherical 30FPS
4096 x 2160 mono spherical 120FPS
4096 x 2160 3D - left/right eye rendered



POST PROCESSING

PT GUI Stitch Profile
Mystika VR Optical Workflow



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