

## Ultra 4k Smart Camera

VideoRay's latest release in camera technology combines best-in-class image sensing with NVIDIA's intelligent Orin NX processor. With 12 Megapixel resolution and a 200-degree field of view, customers can see more of their surroundings at a higher resolution than ever before. By providing customers with access to both vehicle telemetry and imaging data through our on-board API we are enabling the next generation of autonomy in a form factor that works across all VideoRay vehicles.



### Processor

**Platform:** NVIDIA Jetson Orin NX  
**Storage:** 1TB SSD

### Electrical

**Input Voltage:** 35V-12V  
**Power:** 15 Watts  
**Video Output:** RTSP over Ethernet  
**Connector:** 9 Pin Subconn Connector  
**Control Method:** Software API over UDP

### Optical

**Sensor:** 1/2.3"  
**Resolution:** 4056 (V) x 3040 (H) pixels (max)  
**Pixel Size:** 1.55µm x 1.55µm  
**Active Pixels:** 12.33mp  
**Lens:** Fisheye  
**Angle of View in Water:** Vertical: 185, Horizontal: 150  
**Pan / Tilt / Zoom:** Digital

### Mechanical

**Housing/Window:** Anodized Aluminum / BK7 Glass  
**Dimensions:** L: 154 mm D: 76 mm  
(L: 6.062" D: 3.003")  
885 g (1.951 lbs)

**Weight in Air:**  
**Weight in Water (Fresh / Salt):** 523 g / 532 g  
(1.152 lbs / 1.172 lbs)

### Environmental

**Water Depth Rating:** 2,000 m (6,562 ft)  
**Storage Temperature:** -20° to 60° C  
(-4° to 140° F)  
**Operating Temperature:** -5° to 50° C  
(23° to 122° F)

