

CrustCrawler UD-1 Series Camera Systems

The CrustCrawler UD-1 series camera systems have been created to meet the demanding needs for an affordable, rugged, weatherproof and waterproof camera system for all types of robotic applications including:

- UROV's (Underwater Remotely Operated Vehicles)
- ROV's (Remotely operated Vehicles)
- Pipe inspection systems
- Dam inspection systems
- Surveillance
- General purpose vision systems

Technical Specifications

Cam001 – Sony Color – High Resolution PNR Cam001: Sony - Color, High Resolution

When high resolution full brilliant color is required, this camera delivers!

- Amazing 520 lines of resolution
- Great 0.5 Lux Rating
- Features Sony's advanced HQ1 CCD Chipset
- 3.6MM 92 degrees Field of View (FOV)
- High impact, custom machined case with clear acrylic face
- Protective faceplate installed
- Includes 4/40 threaded brass inserts for easy mounting to any platform
- Guaranteed waterproof to 500 feet
- Plug and play cables included
- Dimensions – 2.06L X 2.5W

Cam002 – Sony Black and White – Super Low Light PNR Cam002: Sony – B/W, Super Low Light Vision

Outstanding camera for day or night in super, low light conditions. This camera can practically see in the dark!

- Super sharp 420 lines of resolution
- Phenomenal 0.0003 Lux rating
- Features Sony's advanced HAD Ex-View CCD Chipset for incredible low light performance
- 3.7MM 90 degrees Field of View (FOV)
- High impact, custom machined case with clear acrylic face
- Protective faceplate installed
- Includes 4/40 threaded brass inserts for easy mounting to any platform
- Guaranteed waterproof to 500 feet

- Plug and play cables included
- Dimensions – 2.06L X 2.5W

Cam003 – Standard Black and White # Cam003: B/W Standard



Our standard robot camera with great resolution and features!

- Super sharp 420 lines of resolution
- Excellent 0.01 Lux performance
- Great CCD imager
- 3.6MM 70 degrees Field of View (FOV)
- High impact, custom machined case with clear acrylic face
- Protective faceplate installed
- Includes 4/40 threaded brass inserts for easy mounting to any platform
- Guaranteed waterproof to 500 feet
- Plug and play cables included
- Dimensions – 2.06L X 2.5W

Operating Parameters

- Power – Regulated 12VDC. For long camera life, regulated 12VDC is required to operate the CrustCrawler UD-1 camera systems. All camera systems have been tested and are in working order before they are shipped from our facility.

Connectivity

Cam001 – Sony Color – High Resolution	Cam002 – Sony Black and White – Super Low Light	Cam003 – Standard Black and White
		
<ul style="list-style-type: none"> • Video – Male RCA • Power – Female 2.1mm X 5.5mm power jack 	<ul style="list-style-type: none"> • Video – Female BNC • Power – Female 2.1mm X 5.5mm power jack 	<ul style="list-style-type: none"> • Video – Female RCA • Power – Female 2.1mm X 5.5mm power jack