



MicroCam Mobile

Remote Monitoring in High Rad Environments

- Portable, low-cost color video camera for monitoring critical components and activities in high-rad environments
- Extendable arm allows easy access to difficult-to-reach areas – adjusts from 14'
- Video recording
- Adjustable camera mount to facilitate monitoring from multiple angles, eliminating the need for scaffolding
- Integrated 7" LCD monitor
- 420 H-TVL video resolution meets VT-1 standard
- Integrated LED lighting
- Includes rechargeable battery pack for extended tool use
- Optional 80' video cable for local and remote viewing

Mobile Surveillance Tool

The MicroCam Mobile—our compact MicroCam coupled with an FME-compliant mobile extender arm—offers the perfect mix of color imaging, lighting, radiation tolerance, portable monitoring, and long reach. This solution is ideal for monitoring critical equipment and work activities in difficult to reach areas and/or where dose rates are of concern. This utility tool is a perfect complement to your general operations and ALARA program.

A 7" LCD color monitor is integrated into the handle of the mobile extender arm, allowing operators to view the camera's output without being tethered to remote monitors. The extender arm uses a reflex system in a quill shaft with an adjustable length of 14', and with 420 TV-lines of resolution, the MicroCam meets VT-1 standards for inspection. To accommodate looking around corners and other difficult-to-reach spots, the camera is attached via an adjustable bracket to facilitate viewing at multiple angles. A looping video output allows you to view video both locally and remotely, with an option to integrate the signal into your current remote monitoring software. With the standard battery pack, you can use the MicroCam for upwards of 6.5 hours before recharging.

The MicroCam incorporates a state-of-the-art APS sensor with impressive picture quality, low-light capabilities, and tolerance to radiation. Equipped with an integrated LED ring, the MicroCam provides an excellent picture in virtually all lighting conditions.

Contact Diakont today to schedule a demonstration.



Inspection Uses

- High-rad and locked high-rad areas
- Tank internals
- Snubbers
- Confined spaces
- Underwater surveillance
- Difficult-to-reach plant equipment



USA
Diakont Advanced Technologies
3853 Calle Fortunada
San Diego, CA 92123 USA
+1-858-551-5551 phone
sales@diakont.us.com



Technical Specifications

Camera Sensor	Color APS
Resolution	420 H-TVL
Minimum object distance	2"
Sensitivity	0.025 lux (50 IRE) F1.2 3200°K
Field of View (diagonal, in air)	88°
Field of View (diagonal, in water)	63°
Environment	Water, air
Maximum Operating Temperature	145°F
Lights	Integral, LED
Housing	316 Stainless Steel
Protection	200' submersible
Environmental	IP68
Cumulative Dose	50,000 Rads
Maximum Dose Rate	5,000 Rads/hr

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