High Definition Camera Systems for Extreme Environments

EX9 SERIES

MOOG
**EXO high definition (HD) visible and thermal network camera systems** are the professional’s choice for capturing brilliant full HD surveillance video in extreme environments. The EXO Series is built tough to withstand extreme temperature ranges, power surges, vibration and heavy impacts. Engineered into a multitude of rugged, environment-specific enclosures, there is an EXO Camera System solution for nearly any hostile environment including food processing, transportation, pharmaceutical, urban and marine locations.

**Features:**
- 1080P HD / 30 fps; 720P HD / 60 fps
- High Quality Dual Stream Video Compression with Leading Low Latency Video
  - H.264 High Profile
  - MJPEG
- Open Source API, including ONVIF Profile S Support
- Native Genetec API Integration
- 30x / 20x Optical Zoom Options
- Auto Image Stabilization (30x models)
- Thermal Imaging available on EXO GeminEye
- Day/Night and Auto Wide Dynamic Range
- Local Storage with Built-in Memory Card Slot
- One Year Warranty
- Made in the USA

**Thermal Imaging**, currently available on the EXO GeminEye, allows you to capture video with or without visible light. How does it work? Thermal cameras incorporate sensors that produce black and white images based on heat radiation sensed in the infrared range of the electromagnetic spectrum. Therefore, what you actually see is variations in temperature, clearly identifying humans, objects and other possible threats.

**Daylight Camera** – Subject wearing camouflage is barely detectable in daylight hours.

**Thermal Camera** – Thermal Imaging Technology detects the subject day or night.
For Extreme Environments

Extreme Temperature Range

Industry leading high and low temperature specifications achieved via optimized air routing and custom designed electronics with hardened components.

Advantages:
- Better video at low and high temperatures
- Temperature resilience extends camera life
- Meets NEMA TS 2 standards

Superior Surge Protection

Dual stage surge protection for power, alarms, and network / video guard against voltage spikes and surges.

Advantages:
- Reduces the chance of power related failure
- Saves on maintenance: no need to reset camera with auto recovery
- Eliminates need for third party surge protection

Corrosion Resistance

Stainless steel 316L construction protects video surveillance equipment, electronics and lenses from debris, harsh chemicals, and other contaminants.

Advantages:
- Corrosion resistant materials extend camera life
- Perfect for marine, chemical plants, food processing, and high-humidity environments
EXO Camera Models
Designed for Extreme Environments

EXO Pressurized PTZ
- Airtight Protection Against Contaminants

EXO Vandal Resistant PTZ
- Durable Cast Aluminum
- IK10 Construction

EXO Corrosion Resistant PTZ
- 316L Stainless Steel
- IP68 Pressurized model available

EXO Fixed Camera
- Pressurized and Vandal Resistant Models Available
- HD 720P / 60 fps
- 12x Optical Zoom with Auto Focus
- Easy to Install and Position

EXO GeminEye Dual Imager
- Positioner Based HD Daylight / Thermal Camera System
- IP67, Sealed and Pressurized Camera Modules
- Designed to the HMMWV Shock and Vibration Profile
- Continuous 360° Rotation (± 90 Degree Tilt Range)
- Choose From a Variety of Camera Sensors and Lens Configurations

*These products are subject to export control laws and regulations of the United States government and fall under the control jurisdiction of either ITAR or EAR regulations. Please contact our company Export Representative at +1-716-687-4930 for additional export information.