

Specialized Night Vision Surveillance System



System includes Pelco dual weather-proof tilt/pan housing containing:

Low Light System

Housing one contains a very low light 0.08 lux (rated at f 1.2), high resolution, B&W CCTV camera with 570 lines of resolution. The lens is an impressive Computar 15-400 mm f4.2 27x A/I zoom with spot and preset.

Thermal Imaging System

Housing two contains a remotely controlled Texas Instruments, now Raytheon, non-cooled (**BST-uncooled ferroelectric**), passive thermal imaging system operating within the long wave infrared, 7.5-13.5 micron, spectral band. It is fitted with a 9 degree long range

lens. This system is not photon (light) based and is identical in operating characteristics to the military systems deployed aboard current military attack helicopters, called FLIR. With this system, unlike conventional night vision, which requires some light to operate and offers poor performance under very low light conditions, this system operates in total darkness, with no light source whatsoever. Also, unlike conventional night vision systems, which are useless in fog, dust, and smoke, thermal imaging offers a clear image, as the very low frequency infrared utilized penetrates most particulate vapors almost as well as clear air. This means, in most cases, you can see to the horizon in the fog. Additionally, when viewing a congested field of view, such as a tree line, buildings or other obstructions, a man or animal will stand out as they are an active emitter of heat. The system is rated, as equipped, to detect a man at 1000 meters, or over 3200 feet.

Monitor(s) and Controller not included.

*Note: This is an ITAR (International Traffic in Arms Regulations) controlled item. Export of this system is **strictly prohibited** without U.S. State Department approval.*