Holophane, the leader in lighting solutions for over 100 years, introduces the HMS Lighting with Surveillance Camera System... an unprecedented solution for your lighting, surveillance, and security requirements. This system, which is customized to meet your application needs, combines premium products from Holophane and Ultrak®, a leading manufacturer of integrated access control and camera security solutions.

It includes your choice of a wide selection of High Mast Lighting Luminaires (including those meeting Dark Skies requirements), a top-latching, self-centering Lowering Device, and a surveillance camera with remote joystick controller capabilities designed specifically for installation in an outdoor environment.
The Holophane HMS Lighting with Surveillance Camera System is a premium offering of lighting and surveillance products for applications in which highly efficient illumination and constant monitoring/surveillance are required. The system includes:

Holophane High Mast Lighting Series Luminaires - Choose from eight luminaire types depending upon your application needs. The High Mast Series offers various combinations of wattage and distributions, including cutoff systems, to satisfy all high mast application lighting requirements (including Dark Skies requirements).

- Complete system includes high mast lighting luminaires, top-latching, self-centering lowering device, and rugged, outdoor-use surveillance camera
- Holophane-engineered power cord and fully-integrated connectors simplify wiring
- Base-level enclosure allows easy access for lighting and camera technicians

Security and surveillance are enhanced by the uniformity of vertical and horizontal lighting provided by the HMS lighting system.

System shown in lowered position. (see picture A)
Ultrak® Surveillance Camera - Holophane has made available for your selection two different surveillance cameras designed specifically for outdoor use - the UltraDome™ KD6NP and the UltraDome™ KD6 WeatherDome. The camera is enclosed in a weather-resistant shell to protect it from the elements and is mounted on an arm and attached to the Holophane Lowering Device. (see picture B) Holophane has designed an enclosure that will be installed at base level that will permanently house the circuit breakers and connections for the video control system. In addition, a technician will be able to check camera operation utilizing equipment in this enclosure and an Ultrak JPD Series Joystick Telemetry Controller. (See picture C)

Holophane Lowering Device - To ensure the consistent quality, integrity, and durability of the camera, the HMS Lighting with Surveillance Camera System includes Holophane’s premium top-latching, self-centering lowering devices. Features of the Lowering Device such as self-centering high stability suspension protects the luminaire and camera from shocks during lifting and lowering, while the top-latching, full-latch support ensures the camera and luminaire return to the same location after servicing. Ground level testing and maintenance allows for mounting heights up to 150 feet. In addition, multiple lighting fixtures can be placed on each pole.
Airports require excellent night time visibility for safety and to detect a breach in security. The HMS Lighting with Surveillance Camera System satisfies a wide variety of lighting requirements and provides the ideal lighting for visual surveillance.

At San Francisco Airport, HMSC luminaires give the appearance of natural daylight and enable better viewing of the surrounding area, including roof tops.

Correctional facilities require effective lighting and constant observation in a variety of locations such as fences, walkways, exercise yards, parking lots, and entrances. The ability to monitor and record events and movement is greatly enhanced with the presence of an HMS Lighting with Surveillance Camera System.

At the Delaware Correctional Center, HMST luminaires mounted on 100-foot poles enhance nighttime security with excellent vertical illumination and overlapping lighting patterns.
Applications

Seaports and container yards require high vertical surface lighting on railroad cars, trucks, and containers, which reduces the possibility of pilferage and speeds up identification, while monitoring enhances security.

The Port of Oakland has installed HMST® luminaires on 80-foot poles, HM SC® (for light trespass), Vector®, Predator®, and PrismBeam® II luminaires on Holophane Lowering Device Systems.

Transportation

Highways, interchanges, and roadways require effective illumination for drivers to travel safely, while transportation authorities need to monitor for road conditions and traffic flow.

When widening the interstate, in preparation of increased traffic volume due to the 2002 Winter Olympics, Salt Lake City installed 600 HM SD luminaires with cutoff optics on 80 to 100-foot poles with lowering devices. These Dark Skies friendly fixtures, which provide precise uniform lighting and zero uplight, have uniformly illuminated the roadway.

Seaports and container yards

Other optimal applications:

- Nuclear facilities
- Water treatment plants
- High security facilities
- Military bases
- Rail yards
- Intermodal facilities
Patented optical system produces various distribution patterns classified as IES cutoff and full cutoff distributions including long and narrow, asymmetric, and square contours.

Open-ventilated optical system minimizes dirt depreciation.

Reflecting prisms are permanently protected from contaminants due to sealed optical system.

Cutoff optical system (except HMST).

Enclosed and gasketed cutoff optical system available on HMSC.

Provides cutoff and semi-cutoff distributions.

Forward throw, square symmetric, and wide and narrow asymmetric patterns achieve superior performance.

Combines precise reflector design and the unique properties of prismatic glass to offer wide and narrow NEMA patterns for specialized illumination.

Prismatic lens option delivers lower glare by shielding the lamp image from view while also increasing uniformity and vertical illumination.
Top-latching, full-latch support ensures the camera and luminaire return to the same location after ground-level servicing.

Self-centering high stability suspension protects the luminaire and camera from shocks during lifting and lowering.

Installation, relamping, testing, and maintenance is done at ground level by lowering the luminaire/camera ring assembly.

Weather-tight, ring-mounted power inlet enables the system to be energized and tested at ground level.

Pole top latching removes all weight from the cables, ensuring long cable life.

Mounting heights up to 150 feet.

Choose the lowering device for your needs:
- **Type 05** Top latch, centering arms, internal winch
- **Type 15** Top latch, centering arms. External winch required
- **Type 25** Top latch, centering arms, internal winch and motor

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**Surveillance Cameras**

**Ultrak UltraDome KD6 WeatherDome (High Speed Dome Tracking System)**

Specifically designed for installation in an outdoor environment.

**UltraDome KD6-NP (Nitrogen Pressurized Environmental Dome)**

Specifically designed for installation in an outdoor environment where dust, salt, humidity, or smog infiltrate conventional dome housings.

Features two independent O-ring seals between top and bottom that maintain up to 5 PSI of dry nitrogen internal to the dome.

**Features: Ultradome KD6 and KD6-NP**
- Built-in 24Vac heater and blower
- 360° continuous pan rotation (proportional to zoom)
- Built-in power isolation and lightning surge protection
- PreShot recall speed is approximately 1/8 second
- 100 programmable PreShot (pan, tilt, zoom) positions with 24-character on-screen labels
- Variable pan speed of 1/10° - 400° per second

**JPD Series Joystick Telemetry Controller**
- Provides pan/tilt motion control and zoom lens functioning
- Built-in LCD shows operator prompts, system messages, camera selections, and monitor selections
- 3-axis joystick provides both direction and velocity control for pan/tilt/zoom functions
Ordering information

The High Mast Lowering Device and Surveillance Camera combinations are all custom specific, allowing you freedom when ordering. Holophane will help design this product to fit your needs. Your local Holophane Factory Sales Representative or Infrastructure Technical Services Group can be contacted for details, design help and additional ordering information at 740-345-9631.

For additional information on Holophane Lowering Devices, see Holophane publication HL-1250. For additional information on Holophane High Mast Series luminaires, see Holophane publications HL-798 (Predator), HL-1236 (Prismbeam II), HL-1179 (HM SC), HL-1968 (Mongoose), HL-1998 (HM SP), HL-787 (HM ST), and HL-1853 (HM SD).