

### Key Features

- Active-infrared illumination to 1km
- Active-infrared allows long range identification and recognition
- High-resolution video for night-time VMD and ISAS
- Focused cylindrical spot beam, 2.5°
- “Gold Optics” technology for optimised performance
- High-efficiency operation
- High-output performance
- Low power consumption (less than 200W)
- Robust construction
- Long bulb life at 2,000 hours average
- All-weather housing compliant to IP66
- Bracketry included
- Rugged and weatherproof

### Product Description

The ZX700 builds on military spotlight designs to provide long range active-infrared illumination. The ZX700 performance kit at 730nm (dual ZX700s, Fujinon D60 zoom lens, FSX800 camera) delivers 1km (3/4 mile) of active-infrared night vision. The ZX700 performance kit is designed for use with precision pan-tilt motors to enable long-range intelligent scene analysis and video motion detection.

The ZX700 output is a focused cylindrical 2.5° spot beam. The ZX700 is energy efficient, using less than 200W to achieve its performance levels.

The advantages of Extreme CCTV active infrared can now be used for long range applications to 1km:

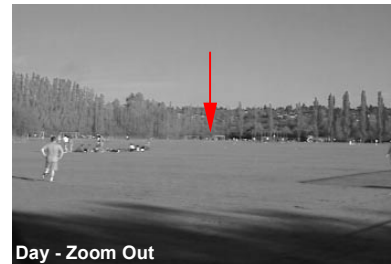
- High resolution video ideal for VMD or ISAS
- Output video compatible with standard CCTV video systems
- No requirement for image interpretation
- Effective capture of signage and markings, allowing recognition and identification regardless of temperature differentials

Integration with radar allows for “seek and define” security at resolutions up to 500% better than that of thermal cameras.

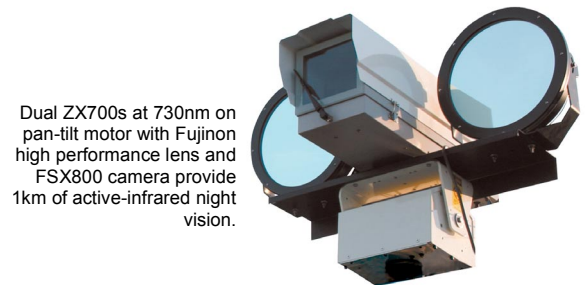
### Applications

- Ports and harbours
- Critical infrastructure surveillance
- Defence applications
- Borders
- Airports
- Homeland Security
- Integrate with radar for “seek and define” applications
- Long distance VMD and ISAS applications
- Fence Lines

### Product Images



Note: Digitally compressed images. Actual output video is of higher resolution.



Dealer/Distributor



**Specifications**
*(Other Special Order Models available on request)*

<b>ZX700 Long-Range Infrared Illuminator</b>	
<b>Illuminator</b>	
Optics	Advanced optics system with optimised focus
Available Wavelengths	730nm, 830nm, 940nm
Beam Pattern	High-fidelity spot beam, 2.5°
Bulb Life	Average 2,000 hours
Power Consumption	200 W per illuminator
Cabling	Supplied with 4m (13ft) lead
Color	Black
Construction	Spun Aluminium with powder coating
Weight	4.0 kg (8.8 lbs) per illuminator
Bracketry	Surface mount bracket included (4" PCD)
<b>Power Supply</b>	
Mains Supply	120 VAC, 1.6A, 60Hz (Single PSU)
Auxiliary Output	12 VDC, 650mA - regulated for camera
Photocell	Day / night automatic switching with adjustable sensitivity
Telemetry	On / off dry contact switching

**Part Numbers**
*(Other Special Order Models available on request)*

<b>ZX700.101</b>	ZX700 @ 2.5° spot beam 730 nm filter - red glow
<b>ZX700.103</b>	ZX700 @ 2.5° spot beam 830 nm filter - faint red glow
<b>ZX700.104</b>	ZX700 @ 2.5° spot beam 940 nm filter - no glow

**Power Supply Options**

<b>ZX700.001</b>	Single power supply, 120 VAC, 60Hz with photocell and 12 VDC auxiliary output
<b>ZX700.003</b>	Twin power supply, 120 VAC, 60Hz with photocell and 12 VDC auxiliary output

**Recommended Performance Kit**

The ZX700 digital performance kit delivers 1km (3300ft+) of high resolution Night Vision. Using dual ZX700 Active Infrared Illuminators, the ZX700 performance kit provides long range night vision ideal for identification and recognition.

A high performance camera and lens are housed inside an all weather housing. A precision digital variable speed stepping motor is used to allow an operator to follow targets at long distances.

The ZX700 performance kit integrates with Pelco systems to provide remote pan-tilt-zoom control.

Please contact [Sales@ExtremeCCTV.com](mailto:Sales@ExtremeCCTV.com) for further information.