

Cooled long-range surveillance camera

XRC-EO 420



This cooled long-range surveillance camera combines two advanced video channels on an integrated ruggedized 360° pan-tilt positioner to deliver 24/7 cover security. It is a high resolution dual-sensor, both for day & night, providing real-time awareness and reconnaissance for accurate acquisition.

The XRC-EO 420 allows long range observation and detection using a high performance cooled thermal imaging camera and a color CCD camera. The system will provide reliable detection in total darkness, dust, smoke and varying light conditions.

A precise Pan & Tilt motor allows extreme slow to fast proportional motion for tracking at low speed and high speed.

In addition, all systems are available with optional laser range finder or GPS module.

The XRC-EO 420 is only one example - BATS can provide a variety of other systems, cooled and uncooled, with several lens options, custom-tailored to your needs.

Features

- Detection of human targets: 12.700m
- Recognition of human target: 4.700m
- Detection of vehicle target: 18.800m
- Recognition of vehicle target: 9.500m

Applications

- Border surveillance and protection
- Coastal surveillance and protection
- Critical infrastructure protection

Specifications

Thermal imager

Imager type:	cooled
Spectral band:	3 - 5 μ m
Video type:	30Hz (PAL/NTSC)
Pixel size/resolution:	15 μ / 640x512
NETD:	<25° mK
FOV:	1.3° (narrow) 25.1° (wide)
Focal length:	21-420mm

Day Camera

Imager type:	1/2" CCD
Focal length:	15.6-500mm (32x)
Resolution:	768x494 (NTSC) 752x582 (PAL)

General

Input power:	24VDC +/- 1%
Power consumption:	max. 390W
Environment:	IP66
Operating temp:	-40°C to +60°C
Interface:	RS-422/RS-485 serial
Weight:	29kg

Pan/Tilt unit

Pan/Tilt speed:	0-50° per second
Pan range:	360° continuous
Tilt range:	-90° to +90°
Pan/Tilt resolution:	+/- 1.5mRad