

## FieldPro5X

### Long Range Thermal Imaging Camera *Axsys Technologies*

The Axsys FieldPro 5x continuous zoom thermal imager is the system of choice for security and surveillance. With outstanding long-range target detection and recognition, the FieldPro 5x combines exceptional performance with Axsys reliability and ease of use.

Axsys' FieldPro 5x offers an extraordinarily clear long-range thermal image with the convenience of continuous zoom from 100 to 500mm. Its horizontal field of view extends smoothly from 1.10° to 5.5°, and it enables man sized target detection at ranges in excess of 8km in good conditions.

The FieldPro 5x utilizes advanced cooled InSb photodetection technology in a 320 x 256, 30µm pitch focal plane array operating in the 3-5µm spectral region—the best choice for marine and high humidity environments. Self-protected in an environmentally sealed, nitrogen backfilled enclosure for simple secure installation, it is stable over a wide range of environmental temperatures and conditions.



### Key Product Features

- Continuous 100mm-500mm zoom
- Mid-Wave Spectral Response
- Environmentally Sealed
- Remote Control Capability
- IRcameras Exclusive Digital Output
- 10 Zoom Presets
- Auto Focus

### Applications

- Long range surveillance
- Security
- Border protection
- Personnel detection to 8km
- Vehicle detection >19km



## FieldPro5X Long Range Thermal Imaging Camera System Specifications

<b>Specifications</b>	
Video Format	CCIR601 NTSC or PAL-M
Frame Rate	60 Hz NTSC, 50 Hz PAL
Serial Interface	RS-232 or RS-422
Power Requirements	11-16V DC/18 watts typical @25°C
Environmental	Unit sealed and backfilled with dry nitrogen Front Element Defroster, rated IP67 Operating Temp. Range: -20°C to +50°C Non-Operating Temp. Range: -40°C to +70°C
Controls	Controls available on a hand held pendant, a rack mounted controlled, or through a PC via an RS-232/422 link
NEDT	< 40mK
Mounting	¼ -20 Tripod Interface Axsys AntiVibration Mount (optional)
Weight	~17 lbs. (7.7 kg)
Length	21.08" (53.54cm)
<b>Sensor Specifications</b>	
Detector	320 x 256 InSb FPA 30µm pitch, usable format 320 x 240
Spectral Band	3-5µm
Detector MTBF	> 7,500 hours
<b>Optical Characteristics</b>	
Spectral Range	3-5µm
Lens Type	Continuous Zoom, 100-500mm, with up to 10 user defined presets
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Lens Features	Motorized remote operation Auto and manual focus adjust Tri FOV
Field of View	(NFOV-WFOV), 1.10° x 0.83° to 5.5° x 4.1° continuous zoom

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