

FieldPro5x

Security/Surveillance



The Axsys FieldPro5X continuous zoom thermal imager is the system of choice for security and surveillance. With outstanding long-range target detection and recognition, the FieldPro5X combines exceptional performance with Axsys reliability and ease of use.

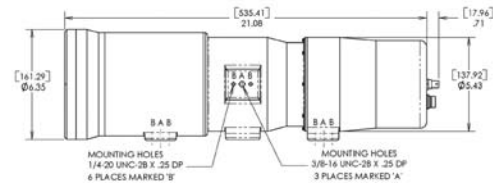
Axsys' FieldPro5X offers an extraordinarily clear long-range thermal image with the convenience of continuous zoom from 100 to 500mm. Its horizontal field of view extends smoothly from 5.5° to 1.10°, and it enables man sized target detection at ranges in excess of 8km in good conditions. The FieldPro5X utilizes advanced cooled InSb photodetector technology in a 320 x 256, 30µm pitch focal plane array and operates in the 3-5µm spectral region — the best choice for marine and high humidity environments. Axsys' proprietary environmentally sealed, dry nitrogen backfilled enclosure ensures simple secure installation and stability over variable temperatures and conditions and negates the need for additional housings to protect the thermal camera system. The FieldPro5X employs remotely controlled and user-friendly plug and play operation.

Axsys provides leading-edge IR equipment to the security and surveillance sector. Axsys' proprietary optical designs, state-of-the-art laboratories, and vertically integrated manufacturing capabilities ensure maximum performance and dependability.

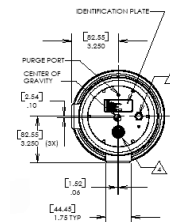
Long-Range Thermal Imaging Camera

Features Include:

- Auto Focus
- High Sensitivity Mode
- Dry Nitrogen Backfilled
- Environmentally Sealed
- Remote Control Capability
- 5X Continuous Optical Zoom
- Zoom Stable over Temperature
- Up to 10 user-defined Zoom Presets
- 1.1° - 5.5° Continuous Field of View
- Cooled 3-5µm IR Detector Technology
- Target Detection: Man >8km, Vehicle >19km



FieldPro5x Side View



FieldPro5x Rear View



FieldPro5X System Specifications

Axsys Part Number	23046M
Video Format	CCIR601 NTSC or PAL-M
Frame Rate	60 Hz NTSC, 50 Hz PAL
Serial Interface	RS-232 or RS-422
Power Requirements	11-16 VDC / 18 watts typical @ 25°C
Environmental	Unit sealed and backfilled with dry nitrogen, rated IP67 Front Element Defroster Operating Temperature Range: -20°C to +50°C Non-Operating Temperature Range: -40°C to +70°C
Controls	Controls available on a hand held pendant, on a rack mounted controller, or through a PC via an RS-232/422 link.
NETD	≤ 40mK
Mounting	¼ -20 Tripod Interface Axsys AntiVibration Mount (optional)
Weight	17.6 lbs. (7.7kg)
Length	21.2" (53.8cm)

Sensor Specifications

Detector	320 x 256 InSb FPA 30µm pitch, usable format 320 x 240
Spectral Band	3-5µm
Detector MTBF	≥ 7,500 hours



Optical Characteristics

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 Zoom FOV
Field of View	(WFOV- NFOV) 5.5° x 4.1° to 1.10° x 0.83°

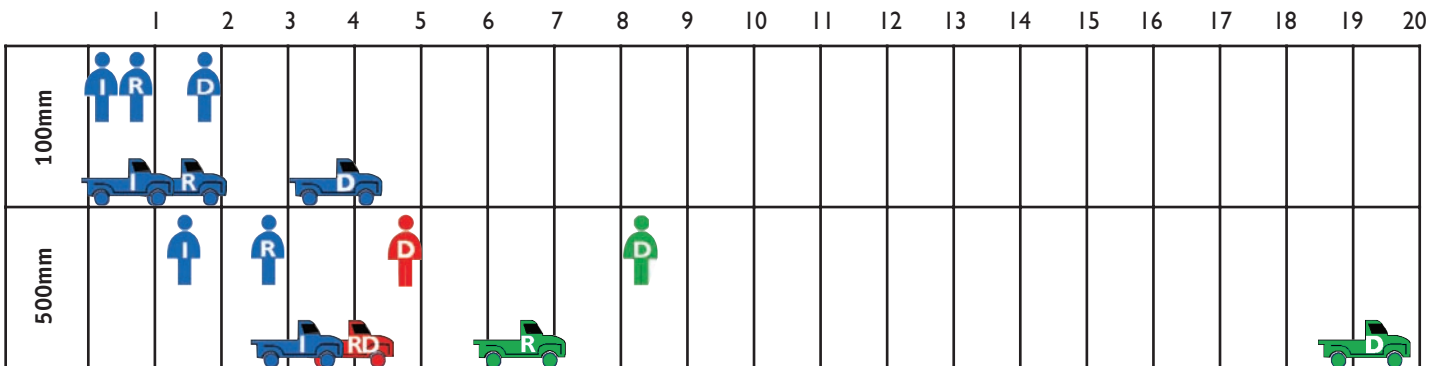
Range Performance

D = Detection
R = Recognition
I = Identification

GREEN = Good Conditions
RED = Poor Conditions
BLUE = Same in all conditions

 = Target Size (1x1m)
 = Target Size (2.3x2.3m)

Range in Kilometers



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Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice. Export is subject to US Government regulations.



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