



# RangePro50/250, RangePro50/250-S

## System Specifications

Axsys Part Number	23043M
Video Format	NTSC, PAL, or optional digital output
Serial Interface	RS-232/RS-422
Power Requirements	11–16 VDC, 18 Watts typical @ 25°C steady state (RangePro50/250) 10.5–36 VDC, 30 Watts typical @ 25°C steady state (RangePro50/250-S)
Environmental	Unit sealed and dry nitrogen backfilled Front Element Defroster Operating Temperature Range: -32°C to +60°C. Non-Operating Temperature Range: -40°C to +70°C.
Controls	Controls available on a hand held pendant or through a PC via an RS-232/422 link
Mounting	¼-20 Tripod Interface
Weight	<13 lbs. (5.9kg)
Length	<17" (43.2cm)

## Sensor Specifications

RangePro Detector	320 x 256 InSb FPA 30µm pitch
RangePro-S Detector	640 x 512 InSb, FPA 15µm pitch (add "Z" suffix to part number; see table below)
Spectral Band	3–5µm

## Optical Characteristics

Spectral Band	3–5µm.
Lens Type	Dual Field of View, 50mm/250mm
f/#	4
Lens Features	Motorized remote operation Auto and manual focus adjust Dual Field of View
Field of View	11.0° x 8.2° (Wide), 2.2° x 1.7° (Narrow)

## Construction of Axsys Part Numbers

Code	Feature Referenced Options	Example (part # plus code)
Bn	Baud Rate (Default = 9600)	23043MB3
B1	4800	
B3	19200	
B4	38400	
B5	57600	
B6	115200	
D	Digital Video Option	23043MD
K	Sun Shield	23043MK
N	No BNC Video Output	23043MN
P	PAL Video Format	23043MP
Vnn	Paint Version	23043MV4
Z	640 X 480 Sensor Option	23043MZ

Note: To construct Part Numbers, start with base code, add other desired options alphabetically (excepting that "P" must be last), and then add kit designator.  
Example: 23181F2H1ZP-600