

# SR-SERIES

## Technical specifications

### SR-Series: general specifications

IMAGING PERFORMANCE	
Detector type	Focal Plane Array (FPA), uncooled Vanadium Oxide microbolometer
Spectral range	7.5 to 13µm
Thermal sensitivity	85 mK at 25°C
Image frequency	25 Hz or 8.3 Hz
Focus	Focus free, athermal lens
Image processing	Automatic Gain Control (AGC), Digital Detail Enhancement (DDE)
SYSTEM FEATURES	
Automatic heater	Clears ice from windows
IMAGE PRESENTATION	
Video output	NTSC or PAL composite video
Connector types	BNC (1) provides video output
POWER	
Requirements	14-32 V DC or 18-27 V AC
Consumption	<u>Nominal:</u> 3 W at 24 V DC / 5 VA at 24 V AC <u>Peak at 24 V DC:</u> 10 W for SR-112, SR-117, SR-124, SR-324, SR-334, SR-348 6 W for SR-313 / 8 W SR-309 25 W for SR-304 <u>Peak at 24 V AC:</u> 21 VA for SR-112, SR-117, SR-124, SR-324, SR-334, SR-348 11 VA for SR-113 / 17 VA for SR-309 / 48 VA for SR-304

ENVIRONMENTAL SPECIFICATION	
Operating temperature range	-40°C to +55°C
Storage temperature range	-50°C to +85°C
Encapsulation	IP66
Shock	IEC 60068-2-27
Vibration	Mil-Std-810F
PHYSICAL CHARACTERISTICS	
Camera Weight	2.1 kg - SR-304: 2.9 kg
Camera Size (L x W x H)	267 mm x 127 mm x 145 mm
SR-304: Camera Size (L x W x H)	361 mm x 127 mm x 145 mm
Shipping weight (camera + packaging)	5.3 kg
Shipping size (camera + packaging) (L x W x H)	496 mm x 343 mm x 331 mm
INTERFACES	
RS-422	Yes
RS-232	Yes
STANDARD PACKAGE	
Thermal imaging camera, operator manual	

### SR-Series: version specific specifications

SENSOR RESOLUTION	160 X 120	320 X 240
Name/Focal length/ Field of view	<u>SR-124:</u> 9 mm lens – FOV: 24°(H) x 20°(V) <u>SR-117:</u> 13 mm lens – FOV: 17°(H) x 14°(V) <u>SR-112:</u> 19 mm lens – FOV: 12°(H) x 10°(V)	<u>SR-348:</u> 9 mm lens - FOV: 48°(H) x 39°(V) <u>SR-334:</u> 13 mm lens - FOV: 34°(H) x 28°(V) <u>SR-324:</u> 19 mm lens - FOV: 24°(H) x 19°(V) <u>SR-313:</u> 35 mm lens - FOV: 13°(H) x 10°(V) <u>SR-309:</u> 50 mm lens - FOV: 9°(H) x 7°(V) <u>SR-304:</u> 100 mm lens - FOV: 4.6°(H) x 3.7°(V)
Electronic zoom	2x	2x and 4x



Specifications are subject to change without notice.  
Sizes and weights are indicative.