

#### **NEW!** Wahl CHIEF INSPECTOR

### Highest level of resolution designed for the Professional

#### **BEST-IN-CLASS!**

The a70 and z70 models include a 384 x 288 array with 110,592 pixels — 44% more pixels than 320 x 240 thermal imagers with 76,800 pixels.

Fully calibrated, high resolution camera captures clear, sharp images!

Easily load images to an iPad® using an SD adapter. The thermal images can be imported and stored in the regular photo application found on the iPad®, or used with a picture application like iPhoto®. The images can then be shared with other applications on the iPad®, offering the flexibility of easy to prepare reports.

Two temperature modes allow you to switch between the ranges of -4° to 356°F (-20° to 180°C) or 212° to 1112°F (100° to 600°C) to select the temperature range required for your application.

**Temperature readings are always accurate.** Quick stabilization circuitry enables the camera to acclimate to sudden ambient temperature changes in just a few minutes, compared to 30 - 45 minutes with other cameras.

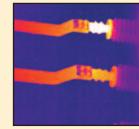
**Simultaneously captures** both a thermal and visible light picture, or either individually, with one pull of the trigger. View or download images to included Wahl Report Writer software, or an iPad®, with selectable voice recording, up to 45 seconds per picture.

**Thermal line analysis** allows the user to select a target of interest as a temperature reference point, and show a relative comparison as a percentage between the target temperature and the temperatures in the surrounding area. This enables the user to quickly find potential problem areas in need of further attention.

The **z70** frame rate is 30Hz. The **a70** features a 9Hz frame rate for export without license restrictions.







Find problems quickly, easily, and safely with the Wahl z70

Including CADE

### SPY-CARE

The FIRST No-Fault warranty plan in the industry is INCLUDED with your purchase!

We will repair or replace your camera for two years, for any reason - even if it's your fault - no questions asked!

Also includes:

FREE Training, FREE Phone Support,

FREE Annual lifetime recalibration, inspection, and firmware upgrades. (Excludes Battery and SD Card, see

Spy-Care flyer on our website for more details.)

Heat Spy® is a registered trademark of Wahl Instruments, Inc. iPad® and iPhoto® are registered trademarks of Apple.

Specifications subject to change without notice

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a70 • z70 CHIEF INSPECTOR Specifications					
Model Number	a70	z70		Model Number	
Frame Rate	9Hz	30Hz*			
	Sensor Info			Removable Storage	
Detector	Uncooled Microbolometer Focal Plane Array (EPA)			Storage Mode	Manu
Resolution/Pixel Size	384 x 288			File Format (Thermal)	
Spectral Range	8 - 14μm			File Format (Visible)	
Thermal Sensitivity	0.06 @ 30°C		*	File Size	
	Image Performance			Voice Annotation	
LCD Display	High Resolution 3.5"	Color LCD, 640 x 480			
Visible Camera	1.3 Megapixel CMOS Sensor			Laser Pointer	
	Lens Parameter				
Field of View	25° :	x 19°		Report Analysis Software	
Focus Range	0.1 m	ı to ∞		Video Output	
Focus Type	Manual			Freeze Frame/Save Image	Freez
Spatial Resolution	1.37	1.37 mrad		Ambient Operating	
	Measurement Analysis			Ambient Operating Temperature	
Measurement Range	Low/High Temperature Switchable: -4° to 356°F (-20° to 180°C) or 212° to 1112°F (100° to 600°C)		۲	Storage Temperature	
Measurement Accuracy	Greater of ±2% of reading or ±2°C			Humidity	
		now; Negative Grayscale; Positive		IP Rating	
Image Control	Rainbow Blue-Red; Rainboy	ool Metal; Rainbow Green-Red; / Black-White; High Contrast Contrast Violet-White	١	Parray.	l
	Image Adjustment: Auto F	Ranging / Manual Level and		Power Operating Time	
Self Calibration		olay Brightness Control ljustable Time Interval or		Power Save Mode	
		on Manual			
Measurement Mode		, Isotherms, Delta T		Charging System	
# of Measurement Spots		lus 2 Adjustable			
# of Measurement Areas	3			Housing	
# of Measurement Lines		1 Horizontal		Mounting	
T Reflect		djustment		Dimensions	
T Correct		djustment		Weight (w/o battery)	
Digital Zoom		or 4 x		Software Compatibility	Mic
Thermal/Visible Image	Toggle between Thermal and Visible			Included Accessories	Carry Batt
Alarm	High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm				
Temperature Scale		e:°C, °F, and K		Optional Accessories	Wa
User Settings	French; German; Italian; Portugu	11 Languages: English; Spanish; lese; Korean; Japanese; Russian; nd Traditional Chinese			
Emissivity Range		with Built-in Emissivity Table		Shock Test	
Specifications subject to chan	age without notice	•		Vibration Test	

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> \*Export Licensing fee on 30Hz models may be required for your country, subject to US Government approval. No Export License required on 9Hz models.



**Image Storage Removable Storage** 2GB SD / Time Stamped Storage Mode Manual Single Image Save or Programmable Auto Save to SD Card File Format (Thermal) JPEG plus Temperature in 14 bit data File Format (Visible) JPFG File Size 100K (Typical Value) **Voice Annotation** Maximum 45 seconds per image Laser **Laser Pointer** Class 2, < 1mW / 635nm, Red Record **Report Analysis Software** User Selectable PAL and NTSC Video Output Freeze Frame/Save Image Freeze Frame and Save Image, Thermal and/or Visible to SD Card **Environment** Ambient Operating Temperature 5° to 122°F (-15° to 50°C) Storage Temperature -4° to 140°F (-20° to 60°C) Humidity ≤ 90% non-condensing IP 54 **IP Rating Power** Power 1 Rechargeable Lithium Ion Battery **Operating Time** 2 Batteries provide ≥ 4 plus hours operation **Power Save Mode** Yes External AC Mains Battery Charger included; In Camera **Charging System** Charging with optional AC Battery Charger **General Info** Impact Resistant Molded Plastic and Wrist Strap Housing Mounting Hand Held with Tripod mounting / 1/4"-20 Thread Width: 4.5 in. (115mm) x Length: 5.9 in. (150mm) **Dimensions** x Height: 9 in. (230mm) Weight (w/o battery) 1.65 lbs (0.75 Kg) Software Compatibility Microsoft Windows 2000, Windows XP, Vista, and Windows 7 Carrying Case; Wrist Strap; Lens Cap; 2 Rechargeable Lithium Ion **Included Accessories** Batteries; Video Out Cable; AC Mains Battery Charger; Report & Analysis Software; User Manual, SD Card and Reader. NIST Traceable Certificate of Conformance; Extended **Optional Accessories** Warranty; Auxillary Charging Package includes: Car Charger, AC mains charger, and International Plugs **Safety Certificates Shock Test** 25G, IEC68-2-29 **Vibration Test** 2G, IEC68-2-6 **Immunity Tests** Yes **Emission Limits** 

a70

z70

Specifications subject to change without notice



**IP54** 



## a70 • z70 Thermal Imager Specifications

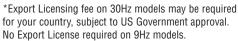
Frame Rate   SHz   30Hz*		<b>-</b>	opeomeations			
Detector   Uncooled Microbolometer Focal Plane Array (FPA)	Model Number	a70 Series Chief Inspector	z70 Series Chief Inspector			
Sensor Info  Detector  Resolution/Pixel Size  Spectral Range Thermal Sensitivity  O. 106 @ 30°C  Image Performance  LCD Display High Resolution 35° Color LCD, 640 x 480  Visible Camera  LCD Display High Resolution 35° Color LCD, 640 x 480  LENS Parameter  Field of View Pous Range Focus Range Focus Type Spatial Resolution  Measurement Analysis  Low-High Temperature Switchable: -4" to 350°F (-20° to 180°C) or 212° to 1112°F (100° to 600°C)  Greater of 22% of reading or 22°C. Instrument is not calibrated below -10°C.  Auto Correction  Measurement Ander Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control  Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual  Measurement Ander  Number of Measurement Lines T Reflect T Correct Manual Adjustment User Selectable: -0, Francit, Serman; Italian, Portuguese, Korean; Lapanise, Russian, Simplified Chinese, and Traditional Chinese		Full Feature Series Specifications				
Detector   Uncooled Microbolometer Focal Plane Array (FPA)	Frame Rate	9Hz	30Hz*			
Resolution/Pixel Size Spectral Range Thermal Sensitivity  0.06 @ 30°C  Image Performance  LCD Display High Resolution 3.5 Color LCD, 640 x 480  Visible Camera 1.3 Megaphe CMOS Sensor  Lens Parameter Field of View Focus Range O.1 m to ∞  Focus Type Manual Spatial Resolution Neasurement Analysis  Measurement Range Measurement Range Measurement Range Measurement Accuracy  Image Control Image Control Measurement Mede Refe, Rainbow Blue-Red, Rainbow Black-White: High Contrast Blue-Yellow, and High Contrast Voice-White Image Adjustment Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control Auto Correction Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual Measurement Mode Spots, Areas, Lines, Isotherms, Detta T Number of Measurement Lines 1 Vertical, 1 Horizontal T Reflect Manual Adjustment T Correct Manual Correction T Correct Manual Correction T Correct Manual		Sensor In	Sensor Info			
Thermal Sensitivity	Detector	Uncooled Microbolometer Focal Plane Array (FPA)				
Themal Sensitivity  Image Performance  LCD Display  High Resolution 3.5° Color LCD, 640 x 480  Visible Camera  Lens Parameter  Field of View Focus Range Focus Range Focus Type Spatial Resolution  Measurement Range Measurement Accuracy  Image Control  Image Control  Auto Correction  Measurement Mode  Measurement Mode  Auto Correction  Measurement Acquired  Auto Correction  Measurement Acquired  Tenjerature  Auto Correction  Measurement Acquired  Auto Correction  Measurement Mode  Number of Measurement Spots  Number of Measurement Sp	Resolution/Pixel Size	384 x 288				
LCD Display	Spectral Range	8 - 14µm				
Lico Display   High Resolution 3.5° Color LCD, 640 x 480     Visible Camera	Thermal Sensitivity	0.06 @ 30°C				
Lens Parameter		Image Performance				
Field of View   25° x 19°	LCD Display	High Resolution 3.5" Color LCD, 640 x 480				
Field of View Focus Range Focus Type Manual  Spatial Resolution  Spatial Resolution  Measurement Analysis  Measurement Accuracy Measurement Accuracy  Measurement Accuracy  Measurement Accuracy  Measurement Accuracy  Image Control  Image Control  Measurement Mode  Auto Correction  Auto Correction  Measurement Mode  Spots, Areas, Lines, Isotherms, Delta T  Number of Measurement Lines  Number of Measurement Lines  T Reflect  Manual Adjustment  T Correct  Manual Adjustment  Measurement Mode  T Reflect  Manual Adjustment  Manual Adjustment  Measurement Mode  T Reflect  Manual Adjustment  Measurement Mode  T Reflect  Manual Adjustment  Manual Adjustment  T Correct  Manual Adjustment  D Digital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible  Alarm  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: ^C, °F, and K  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Visible Camera	1.3 Megapixel CMOS Sensor				
Focus Type  Spatial Resolution  1.37 mrad  Measurement Analysis  Measurement Accuracy  Greater of ±2% of reading or ±2°C. Instrument is not calibrated below -10°C.  111 Display Color Palettes: Ironbow; Negative Grays-Cale; Amber; Hot Metal; Cool Metal; Rainbow Green-Red; Rainbow Black-White, High Contrast Blue-Yellow; and High Contrast Violet-White  Image Adjustment: Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control  Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual  Measurement Mode  Spots, Areas, Lines, Isotherms, Delta T  Number of Measurement Areas  3  Number of Measurement Lines  1 Vertical, 1 Horizontal  T Reflect  Manual Adjustment  T Correct  Manual Adjustment  Digital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: °C, °F, and K  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese		Lens Parameter				
Spatial Resolution  1.37 mrad  Measurement Analysis  Measurement Range  Low/High Temperature Switchable: -4° to 356°F (-20° to 180°C) or 212° to 1112°F (100° to 600°C)  Measurement Accuracy  Greater of ±2% of reading or ±2°C. Instrument is not calibrated below -10°C.  11 Display Color Palettes: Ironbow, Negative Grayscale; Positive Grayscale; Phother; Hot Metal; Cool Metal; Rainbow Green-Red; Rainbow Blue-Red; Rainbow Black-White; High Contrast Blue-Yellow; and ligh Contrast Violet-White  Image Adjustment: Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control  Auto Correction  Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual  Measurement Mode  Spots, Areas, Lines, Isotherms, Delta T  Number of Measurement Areas  3  Number of Measurement Lines  1 Hot, 1 Cold, plus 2 Adjustable  T Reflect  Manual Adjustment  T Correct  Manual Adjustment  T Correct  Manual Adjustment  Digital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: "C, "F, and K  User Selectables," C, "F, and K  Luser Settings  Low/High Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Field of View	25° x 19°				
Spatial Resolution  1.37 mrad  Measurement Analysis  Low/High Temperature Switchable: -4° to 356°F (-20° to 180°C) or 212° to 1112°F (100° to 600°C)  Measurement Accuracy  Greater of ±2% of reading or ±2°C. Instrument is not calibrated below -10°C.  11 Display Color Palettes: Ironbow, Negative Grayscale; Positive Grayscale; Amber; Hot Metal; Cool Metal; Rainbow Green-Red; Rainbow Blue-Red; Positive Grayscale; Positive	Focus Range	0.1 m to ∞				
Measurement Analysis           Measurement Range         Low/High Temperature Switchable: -4° to 356°F (-20° to 180°C) or 212° to 1112°F (100° to 600°C)           Measurement Accuracy         Greater of ±2% of reading or ±2°C. Instrument is not calibrated below -10°C.           Image Control         11 Display Color Palettes: Ironbow; Negative Grayscale; Positive Grayscale; Amber; Hot Metal; Cool Metal; Rainbow Green-Red; Rainbow Blue-Red; Rainbow Black-White; High Contrast Blue-Yellow; and High Contrast Violet-White Image Adjustment: Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control           Auto Correction         Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual           Measurement Mode         Spots, Areas, Lines, Isotherms, Delta T           Number of Measurement Spots         1 Hot, 1 Cold, plus 2 Adjustable           Number of Measurement Lines         1 Vertical, 1 Horizontal           T Reflect         Manual Adjustment           T Correct         Manual Adjustment           Digital Zoom         2 X or 4 X           Thermal/Visible Image         Toggle between Thermal and Visible           Alarm         High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm           Temperature Scale         User Selectable: °C, °F, and K           User Settings         Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional	Focus Type	Manual				
Measurement Range   Low/High Temperature Switchable: -4° to 356°F (-20° to 180°C) or 212° to 1112°F (100° to 600°C)	Spatial Resolution	1.37 mrad				
Measurement Accuracy   Greater of ±2% of reading or ±2°C. Instrument is not calibrated below -10°C.		Measurement Analysis				
Image Control  Image Control  Image Control  Image Control  Image Control  Image Adjustment: Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control  Auto Correction  Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual  Measurement Mode  Number of Measurement Spots  Number of Measurement Lines  Number of Measurement Lines  T Reflect  T Correct  Manual Adjustment  T Correct  Manual Adjustment  Digital Zoom  2 X or 4 X  Thermal/Visible Image  Alarm  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Settings  I Distraction of Measure, Adjustable Pisplay Brightness Control  Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual  Spots, Areas, Lines, Isotherms, Delta T  1 Hot, 1 Cold, plus 2 Adjustable  3  Number of Measurement Lines  1 Vertical, 1 Horizontal  Manual Adjustment  T Correct  Manual Adjustment  T Correct  Manual Adjustment  User Selectable: "Cr, "F, and K  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Measurement Range	Low/High Temperature Switchable: -4° to 356°F (-20° to 180°C) or 212° to 1112°F (100° to 600°C)				
Red; Rainbow Blue-Red; Rainbow Black-White; High Contrast Blue-Yellow; and High Contrast Violet-White  Image Adjustment: Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control  Auto Correction  Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual  Spots, Areas, Lines, Isotherms, Delta T  Number of Measurement Spots  Number of Measurement Areas  Number of Measurement Lines  1 Vertical, 1 Horizontal  T Reflect  Manual Adjustment  T Correct  Manual Adjustment  Digital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible  Alarm  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Seltings  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Measurement Accuracy	Greater of ±2% of reading or ±2°C. Instrument is not calibrated below -10°C.				
Auto Correction  Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual  Measurement Mode  Spots, Areas, Lines, Isotherms, Delta T  Number of Measurement Spots  1 Hot, 1 Cold, plus 2 Adjustable  Number of Measurement Areas  Number of Measurement Lines  1 Vertical, 1 Horizontal  T Reflect  Manual Adjustment  T Correct  Manual Adjustment  Jugital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible  Alarm  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: °C, °F, and K  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Image Control					
Measurement Mode       Spots, Areas, Lines, Isotherms, Delta T         Number of Measurement Spots       1 Hot, 1 Cold, plus 2 Adjustable         Number of Measurement Areas       3         Number of Measurement Lines       1 Vertical, 1 Horizontal         T Reflect       Manual Adjustment         T Correct       Manual Adjustment         Digital Zoom       2 X or 4 X         Thermal/Visible Image       Toggle between Thermal and Visible         Alarm       High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm         Temperature Scale       User Selectable: °C, °F, and K         User Settings       Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese		Image Adjustment: Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control				
Number of Measurement Spots  Number of Measurement Areas  Number of Measurement Lines  1 Vertical, 1 Horizontal  T Reflect  Manual Adjustment  T Correct  Manual Adjustment  Digital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible  Alarm  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: °C, °F, and K  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Auto Correction	Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual				
Number of Measurement Lines  1 Vertical, 1 Horizontal  T Reflect  Manual Adjustment  T Correct  Manual Adjustment  Digital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: °C, °F, and K  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Measurement Mode	Spots, Areas, Lines, Isotherms, Delta T				
Number of Measurement Lines  1 Vertical, 1 Horizontal  Manual Adjustment  T Correct  Manual Adjustment  Digital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible  Alarm  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: °C, °F, and K  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Number of Measurement Spots	1 Hot, 1 Cold, plus 2 Adjustable				
T Reflect Manual Adjustment  T Correct Manual Adjustment  Digital Zoom 2 X or 4 X  Thermal/Visible Image Toggle between Thermal and Visible  Alarm High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale User Selectable: °C, °F, and K  User Settings Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Number of Measurement Areas	3				
T Correct  Manual Adjustment  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible  Alarm  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: °C, °F, and K  User Settings  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Number of Measurement Lines	1 Vertical, 1 Horizontal				
Digital Zoom  2 X or 4 X  Thermal/Visible Image  Toggle between Thermal and Visible  Alarm  High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale  User Selectable: °C, °F, and K  User Settings  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	T Reflect	Manual Adjustment				
Thermal/Visible Image Toggle between Thermal and Visible  Alarm High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale User Selectable: °C, °F, and K  User Settings Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	T Correct	Manual Adjustment				
Alarm High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm  Temperature Scale User Selectable: °C, °F, and K  User Settings Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Digital Zoom	2 X or 4 X				
Temperature Scale  User Selectable: °C, °F, and K  User Settings  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Thermal/Visible Image	Toggle between Thermal and Visible				
User Settings  Date/Time, Temperature Unit and 11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Alarm	High and Low Temperature Audible and Visible Alarm; Isotherm Visible Alarm				
Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	Temperature Scale					
Emissivity Range Adjustable from 0.01 to 1.00 with Built-in Emissivity Table	User Settings					
	Emissivity Range	Adjustable from 0.01 to 1.00 with Built-in Emissivity Table				

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# a70 • z70 Thermal Imager Specifications

Model Number	a70 Series Chief Inspector	z70 Series Chief Inspector		
	Image Store	•		
Removable Storage	2GB SD / Time Stamped			
Storage Mode		Manual Single Image Save or Programmable Auto Save to SD Card		
File Format (Thermal)	JPEG plus Tempera	ture in 14 bit data		
File Format (Visible)	JPEG			
File Size	100K (Typio	cal Value)		
Voice Annotation	Maximum 45 seconds per image			
	Laser	Laser		
Laser Pointer	Class 2, < 1mW	Class 2, < 1mW / 635nm, Red		
	Record			
Report Analysis Software	Yes	Yes		
Video Output	User Selectable	User Selectable PAL and NTSC		
Freeze Frame/Save Image	Freeze Frame and Save Image, Th	nermal and/or Visible to SD Card		
	Environment			
Ambient Operating Temperature	5° to 122°F (-	5° to 122°F (-15° to 50°C)		
Storage Temperature	-4° to 140°F (-	20° to 60°C)		
Humidity	≤ 90% non-condensing			
IP Rating	IP 54			
	Power			
Power	1 Rechargeable Lithium Ion Battery			
Operating Time	2 Batteries provide ≥ 4 plus hours operation			
Power Save Mode	Yes			
Charging System	External AC Mains Battery Charger included; In Camera Charging with optional AC Battery Charger			
	General Info			
Housing	Impact Resistant Molded Plastic with Wrist Strap			
Mounting	Hand Held with Tripod mo			
Dimensions	Width: 4.5 in. (115mm) x Length: 5.9 i	, , , ,		
Weight (w/o battery)	1.65 lbs (0			
Software Compatibility	Microsoft Windows 2000, Windows XP, Windows Vista, and Windows 7			
Included Accessories	AC Mains Battery Charger; Report & Analysis	Carrying Case; Wrist Strap; Lens Cap; 2 Rechargeable Lithium Ion Batteries; Video Out Cable; AC Mains Battery Charger; Report & Analysis Software; User Manual, SD Card and Reader.		
Optional Accessories		NIST Traceable Certificate of Conformance; Extended Warranty; Auxillary Charging Package includes: Car Charger, AC mains charger, and International Plugs		
	Safety Certificates			
Shock Test	25G, IEC6	68-2-29		
Vibration Test	2G, IECG	68-2-6		
Immunity Tests	Yes			
Emission Limits	Yes			

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