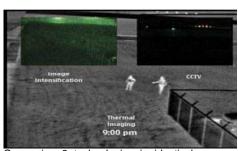




Prevent the unthinkable. The risk of theft, terrorism, and crime is an increasing concern, so corporations and government agencies require complete confidence that sites are fully secured, both day and night. That's why valuable assets, employees and information are now being protected using the most advanced surveillance technology available today—thermal imaging.

The Thermal-EyeTM Thermal Security Cameras—the TSC_{SS} SS and TSCXP—use thermal imaging to detect objects hidden in unlit areas or people lurking in shadowed corners that are invisible o the naked eye and virtually indistinguishable with other technologies. Thermal cameras provide complete visibility in the darkest of nights, on the water and even in bad weather.





Comparing 3 technologies in identical scenes, notice the inability to see the people under image intensification and CCTV and the clarity of them in the thermal image.



Comparing 3 technologies in identical scenes, the image intensification has light blooming that hides the activities, the visible light image is too dark and the thermal image shows every action.

The Thermal-Eye Thermal Security Cameras operate alone and are uniquely designed to fit within almost any standard enclosure and the installation takes just a few minutes. Raytheon's line of security cameras gives the benefits of thermal imaging in a package that is specifically designed to fit into existing CCTV security architecture making implementation easy and hassle-free.

The extended detection range of the Thermal-Eye Thermal Security Cameras allow for effectively monitoring of larger areas per camera, and therefore require less investment for larger perimeter sites compared to other surveillance technologies.

Benefits

- No light is needed to provide complete night and day surveillance; people and vehicles are clearly visible.
- Plug-and-play compatibility with standard CCTV interfaces and enclosures; no need to invest in different infrastructure.

 Cost effective for large area coverage and perimeter security.

A safer world

Thermal-Eye™ systems are so many positive applications, Thermal-Eye products keep

13532 N. Central Expressway MS37 Dallas, Texas 75243 972-344-4000 1-800-990-3275 www.Thermal-Eye.com



	[TSC _{ss} (Standard Series)		TSC _{xp} (Extended Performance)	
Focal Plane Array	Material & Structure	Amorphous Silioon Microbolometer (160 x 120 pixel array) 7-14 um (filter bandwidth)			
Total Table Tring	Spectral Response				
	Thermal Senstivity	4100 mK			
	Therma densiting		-10	G FIRE	
The second beaution	Start-up Time	= 7 sec Enhanced Image Processing			
Thermal Imaging Performance	Contrast / Brightness				
Pendinence	CONTRACT DE QUINCAS	Emission mode Linearing			
Post in the second	FOV Alternatives	Wide FOV	Medium FOV	Wide FOV	Medium FOV
Optics	FOV Allemanes	(50/x351)	(17°x12°)	(50°x35°)	(17°x12°)
	Range to detect human activity	Up to 300 Feet	Up to 1000 Feet	Up to 300 Feet	Up to 1000 Feet
	rear go to desect manual activity	(90 meters)	(300 meters)	(90 meters)	(300 meters)
	Focue	Fired	Manual activet	Fixed	Manual adjust with passiv
	70000	7000	and reduce	- 1000	athermatized lens
	Contract of the Contract of th		1	AND A STREET OF STREET	ont sevening of the last
Video	Output Format	Analog SMPTE-170 (cf. NTSC compatible, monochrome)			
riden	Synchronization	Line sync when 24 VAC power used			
Quintité.	International In				
Power	Input Voltage	24 VAC or 9-30 VDC (Note: Full Function Rear Cover option required for 9-30 VDC.)			
	1202000000				
	Input Power	< 2.0 W for 9-30VDC input and <3W for AC input at all temperatures			
Environmental Characteristics	Operating Temperature	For indoor use without an enclosure: 6°C to 40°C (42.8°F to 104°F) For outdoor use with a protective enclosure:		For indeer or outdoor use: -20°C to 60°C (-4°F to 140°F)	
	(Ambient air temperature)				
	10000000000000000000000000000000000000			(see notes 2 and 3 below)	
		-14°C to 40°C (6.8°F to 104°F)			
		(see notes 1 and 2 below)		AND THE PERSON ASSESSMENT	
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)		-40°C to 85°C (-40°F to 185°F)	
	EMC Compliance	FCC Part 15 & CE Mark		FCC Part 15 & CE Mark	
The second	T diese	77177	B002-8-501	200	DOLL WATER
Physical Characteristics	Size	7.7°L x 1.9°W x 2.3°H (3.8em x 0.75em x 0.91em)		8.0°L x 1.9°W x 2.3°H (3.1cm x 0.75 cm x 0.91 cm)	
	Color	Silver Extruded Anadized Aluminum		Black Extruded Anodized Aluminum	
	Weight	14 az (450 g)		16 az (525 g)	
	Mounting Bracket	W = 20 UNC-28 Universal top or bottom mount		W = 20 UNC-28 Universal top or bottom mount	
	wouning Bracket	24" - 20 UNU-2B UNIV	Janversal top or bottom mount W = 20 UNG-28 Universal top or bottom moun		ersal sop or dottom moure
Ordering Information	FOV Attemptives	Wide FOV	Medium FOV	Wide FOV	Medium FOV
	Car Americanian	(50°x35°)	(17°x12°)	(50'x35")	(17°x12°)
	24VAC Rear Covet	4978510.002	4978510-001	4978510-004	4978510-003
	NTSC Line Lock (see note 3)	4070010-004	45141515-041	40,0010,004	4070010 000
	Full Function Rear Cover.	4978520-002	4978529-001	4978520-004	4978520-003
	NTSC Line Lock (see note 4)		701,000,000	The second second	10.0000
					144
Additional Camera . Functions	(Full Function Rear Cover	Serial data port for camera setup and diagnostics (EIA/RS-485) White-hobback-hot polarity control (through RS-485)			
	required)				
		Cho	ice of power input: 24 VAC or 9-3	30 VDC	
Pottonel	Water and the same of the same				
Optional Enclosure Window Kits – Part numbers	For Pelco 2500 Series	A* dia window frame 4978525 -1* or -2**			
	For Pelco 3500 Senes	2.9"x2.5" window frame 4978535 1" or 2"*			
	For Pelco 4700 Series	4 3'x3 9' window frame 4978547 -1" or -2"*			
	For Universal Series (see note				
	5	61'x6" window frame 4978540 -11" or -2"*			
	=1* Germanium window (96% Trans in 7-14 µm) 2.25* dameter				
	~2** Sikoon window (73% Trans in 7-14 µm) 2-25° diameter				

Notes:

- 1. For outdoor use, the **TSC**_{SS} is assumed to be installed in a Pelco enclosure, model EH4718-2, with heater, defroster, blower, and sun shroud options, and with the vent covers installed, or equivalent NEMA 4 rated enclosure.
- When used in an enclosure, an infrared-transmitting window must be installed. Infrared window conversion kits are available for the following Pelco enclosure products: Pelco Series 2500 enclosures, Pelco Series 3500 enclosures, Pelco Series 4700 enclosures
- 3. For outdoor use, a UL approved protective enclosure with NEMA 4 rating must be used.
- 4. Other video formats also available.
- 5. Universal Series Enclosure window comes as a kit designed to fit the intended enclosure after being sized by the installer. The silicon or germanium window is then bonded into the frame using the provided bonding material and instructions, to ensure proper fit and function.

Specifications and design subject to change without notice.

Additional product information may be found within the instruction/user manual.

