



www.csspakistan.com

Capital Services System

Helmet Thermal Infrared Goggle

Multipurpose Role

- Hands free helmet mounted thermal goggle.
- Hand held thermal infrared viewer.
- Compact and precise thermal weapon sight.



IR 528 is a robust military grade multipurpose thermal system. It can be used as a thermal weapon sight, handheld monocular or head mounted infrared system. This unique item is the top of the line in rugged light weight soldier operated man portable thermal systems. We are proud to introduce the world's first three use thermal infrared imaging goggle, weapon sight and compact viewer. IR 528 offers an advantage over night vision goggles. It can operate in daytime and in no light conditions. It is the smallest and more versatile thermal infrared imaging device available, with an affordable pricing.

Technical Specifications

Imaging Performance	
Detector Type:	Uncooled FPA microbolometer
	160 X 120 pixels 35 μ m
Spectral Range:	8 – 14 μ m
Vehicle Recognition Range:	150m
Vehicle Detection Range:	400m
Human Recognition Range:	100m
Human Detection Range:	250m
Field of View:	8° X 6°
NETD:	\leq 80 mk
Gain & Offset:	Auto control
Image Presentation	
Video Output:	PAL or NTSC, composite video
Integrated Display:	OLED viewfinder
Image Color:	B&W, B&W inverse
Power System	
Battery Type:	5V rechargeable Li-ion Battery
Battery Operating Time:	2.5 hours continuous operation
External Power Operation:	AC adapter 110V/220VAC, 50/60 Hz
Environmental	
Operating Temperature:	-30°C - +50°C
Storage Temperature:	-40°C - +60°C
Humidity:	Operating and Storing 10% to 95%, non condensing.
Shock:	GJB
Vibration:	GJB
Physical Characteristics	
Weight:	\leq 500 grams
Size:	148mm X 50mm X 70.50mm
Tripod Mounting:	1/4" - 20
Option :	80mm tele lens

info@csspakistan.com

Head Office

No.27, 1st Floor, AL-Baber Centre
Markaz F-8, Islamabad, Pakistan
Tel: +92 51 2855627, 2856534
Fax: +92 51 2855629

Lahore Office

Mota Singh, 1 Km Off Bedian Rd
Near Elite Force Training Centre
Lahore Cantt. Pakistan
Tel: +92 42 5031919

China Office

A 616 , Yingban Commercial Building
129 Nan Xiao Jie, Shijia Zhuang
Hebei, P.R. China
Tel: + 86 13619985772



www.csspakistan.com

Capital Services System

Additional Information: IR528

Smallest & lightest

Weighing less than 300g and sized a palm only, the imager has proven as the smallest and lightest thermal imager ever available in the world.

Rugged housing & reliable durability

Incorporating sophisticatedly processed FPA, electronics and IR optics into a hardened and rugged housing, the imager resists all the harsh environmental conditions and proves as the premier choice for firefighting, field vision, public safety, law enforcement and other vision applications.

No need of illuminator or intensifier

The imager has an indisputable advantage over all visual cameras and night vision goggles. It can operate in thick smoke, dense fog, low light conditions and even total darkness with no need of illumination or flash.

Latest uncooled FPA technology

Incorporating the latest generation FPA, the imager offers higher sensitivity and higher resolution than the elder generation, thus delivers sharper image even for objects at long distances.

Accurate temperature measurement

The imager allows you to measure the temperature of any object you are looking at in a non-contact mode. With a cursor in the center of the thermal image, you can measure and analyze the temperature at a single point with an accuracy of $\pm 2\%$ or $\pm 2\%$ of reading.

Flexible and versatile application

Thanks to the compact size and easy operation, the imager can be used as a hand-free viewer or a portable monocular, accordingly equips firefighters, policemen, hunting fanciers and security professionals to efficiently fulfill their missions.

Lowest ownership cost

Developed with state-of-the-art technologies in FPA detector, image processing electronics and IR optics, the imager provides the lowest total ownership cost for a full-featured thermal imager.

info@csspakistan.com

Head Office

No.27, 1st Floor, AL-Baber Centre
Markaz F-8, Islamabad, Pakistan
Tel: +92 51 2855627, 2856534
Fax: +92 51 2855629

Lahore Office

Mota Singh, 1 Km Off Bedian Rd
Near Elite Force Training Centre
Lahore Cantt. Pakistan
Tel: +92 42 5031919

China Office

A 616, Yingban Commercial Building
129 Nan Xiao Jie, Shijia Zhuang
Hebei, P.R. China
Tel: +86 13619985772