



## **ASPIS DAY/NIGHT MINIATURISED INDIVIDUAL COMBAT WEAPON SYSTEM**

**ASPIS is the next generation integrated multifunctional individual weapon system. It is the lightest on the market, effectively utilised as a hand held day/ night sight as well as a rifle-mounted sight.**

The ASPIS enhances mission performance and is capable of observation and aiming at both long and short distances. It combines night/ day video channels for long distance with visible and invisible laser pointers and a red dot for short distances.

A wireless transmission of night and day video signals processed by the ASPIS enables the soldier to observe and fire 'around the corner' and records snapshots of the scene via the receiver computer.

ASPIS features an all-weather uncooled InfraRed (IR) night channel for full darkness observation and detection through dusk or overcast days, and a day TV channel for high definition observation and detection during daylight conditions.

ASPIS is self powered using lithium-ion military rechargeable battery, AA lithium batteries (+1.5 V) or an auxiliary power connector for an external DC source is also available.

### **KEY FEATURES**

- Day TV channel for high definition observation and detection using a TV CCD with high sensitivity operating with slight light
- 'Shooting around the corner' capability by means of IR and Day TV digital video output, transmitted to the soldier by wireless technology
- Visible aiming laser pointer for instinctive close combat operation
- Near infrared invisible aiming laser pointer for instinctive close combat operation
- Red dot for instinctive precision aiming in close combat operation
- Used as a rifle-mounted sight or hand held imager
- Mounting according to Piccatinny Mil-1913 NATO/ STANAG.



### Infrared Camera

Field Of View (FOV)	17.9° x 13.5°
Reticule	Electronically programmable
Sensor	320 x 240 uncooled
Bandwidth	8 to 12 $\mu$ m
Polarity	White hot/black hot

### Colour TV

FOV	8.8° x 6.6°
Reticule	Electronically programmable
Sensor	Full video colour APS

### Red Dot

Magnification	1x
Window Dimensions	30 x 23 mm

### TV Range

Man detection	1800 m
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### IR Range of detection

Moving man	650 m
Tank	1400 m

### Interfaces

Video output	Colour VGA, USB
Power	Lithium ion rechargeable battery, or DC backup power wired through connector or lithium AA batteries (+1.5 V)

### Physical Characteristics

Length	25 cm
Width	5.6 cm
Height	14.7 cm (maximum)
Weight	<1.15 kg (including batteries)



The Italian Army Soldier System, fully interoperable and integrated into the latest C4i systems, is the most advanced and complete European programme for infantry modernisation, complying with the requirement of the Italian Army General Staff and with NATO Guidelines. Within this programme, SELEX Galileo supplies the Individual Combat Fire Control and Observation System which includes: ASPIS (Individual Combat Weapon System), SCORPIO grenade launcher, NIMOS (Night MOBility Sub-system) and LINX (Handheld Target Acquisition System).