



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 handheld 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 a red dot for short distances as an option.

A wireless transmission of night and day video signals processed by 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, which is also available.

KEY FEATURES

- Day TV channel for high definition observation and detection using a sensor with high sensitivity in low light conditions
- "Shooting around the corner" capability by means of IR and day TV digital video output, transmitted to the soldier by wireless technology
- Used as a rifle-mounted sight or handheld imager
- Mounting according to Piccatinny Mil-1913 NATO/STANAG
- Optional red dot for instinctive precision aiming in close combat operation.

INTEGRATION

ASPIS is a fully integrated device:

- Remaining in the same weight and dimension categories of competitors "Light TWSs" with further capabilities integrated: TV and Bluetooth connection in addition to IR camera.
- It is designed to be "NET-centric", i.e. integrated in a network via a wireless (or wired) connection, allowing the Soldier System to be in his centre with the possibility to exchange information (images and data) with the rest of the system



TECHNICAL SPECIFICATION

Infrared Camera

Field Of View (FOV)	17.9° x 13.5°
Reticule	Electronically programmable
Sensor	320 x 240 uncooled
Bandwidth	8 μm to 12μm
Polarity	White hot/black hot
Sensitivity	better than 15 mK

Colour TV

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

Optional Red Dot

Magnification	1x, self-powered
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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	29.3cm
Width	7.1cm
Height	13.3cm (maximum)
Weight	1.166kg inc. batteries 1.060kg without batteries

Eyepiece assembly

Display resolution	800x600
Individual eye correction	+2/-6 diopter adjustment
New battery mounting system	

IR RANGE OF DETECTION

