



URANIA

NIGHT
VISION

Vehicle Mounted Day-Night Camera

Two versions in production:

URANIA DN

for monochrome Day & Deep Night operation

URANIA DC

for color Day & Light Night operation

URANIA DN

Operation from dark night to daylight, 1 mlx – 100 klx

Image Intensifier for night vision

7.2° field of view

High dynamic range sensors for reduced halo

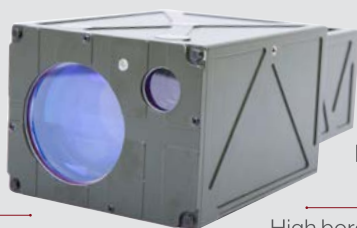
Images up to 1.06 µm lasers

URANIA DC

Operation from light night to daylight, 20 mlx – 100 klx

Ultra Low Light Color CMOS

6.7° horizontal field of view



Full digital cameras day and night operation

High definition 1280x960 pixels video

Multi-weapon ballistic reticles included

Rugged aluminum housing and ice-free sapphire optical windows with EMI/EMC protection

High boresight stability < 0.5 mrad of digital ballistic reticle

Fixed focus (no moving optical parts)

Video feed over Ethernet

Fully automatic operation with manual override over Ethernet (Brightness, Gain, Channel Selection, etc.)

Full MIL-STD810G and MIL-STD461G (tracked vehicles)

Modular and customizable design and sensor integration (LLCMOS, IR, SWIR) as per customer needs for various applications (observation, targeting, driving etc.)

THEON SENSORS' URANIA is a family of digital day and night military cameras designed for use in armored vehicles. Currently produced models are designed for use on armored vehicles for observation and targeting during day and night. The HD video is sent over Ethernet, while control is implemented over CAN bus. Fully customizable design, including multiple sensor technologies, the video protocol and overlays, for service in a wide variety of platforms.

URANIA DN uses a uniquely designed monochrome ICMOS sensor for night vision that includes an image intensifier tube coupled to an optimized global shutter CMOS sensor, resulting in unique optical performance.

URANIA DC uses a color Ultra Low Light CMOS sensor for optimum performance from day to light night using a single sensor.