Nyx HD-L
Advanced Thermal Imaging Camera
HD 1024 x 720 LWIR

- OEM large format, high resolution camera
- Higher performance in demanding environments
- Type II Strained Layer Superlattice (T2SLS) LWIR cooled IRFPA
- Superior temperature sensitivity
- Designed for ease of integration into gimbal payloads, multi-sensor platforms and camera systems
- First purpose-built tactical T2SLS camera
**AIRS Delivers Advanced Thermal Imaging**

AIRS’ infrared cameras offer large format, high-performance LWIR, MWIR and SWIR imaging utilizing state of the art MCT and T2SLS IRFPAs. The sensitivity and resolution of the Nyx series can meet the most demanding imaging needs. State of the art technologies, designs, and vertically integrated manufacturing allow AIRS to provide system integrators advanced, mission-critical imaging capability.

### Nyx HD-L

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**COMMUNICATION**

- Serial Interface: RS-232/RS-422/USB

**ELECTRICAL**

- Voltage: 12 VDC and 28 VDC
- Power Dissipation @ 25°C: 23 Watts typical steady state

**MECHANICAL (WITH 6° LENS)**

- Dimensions (LxWxH): 11.33 x 3.58 x 5.15 in.
- Weight: 5.7 lbs.
- Camera Mount: standard 1/4”-20

**ENVIRONMENTAL**

- Operating Temperature: -40°C to +50°C
- Storage Temperature: -50°C to +70°C

**OBJECTIVE LENS OPTIONS**

- 18 mm focal length: 40° FOV
- 527 mm focal length: 2° FOV
- Other focal lengths: Available

**IMAGERY DISPLAY OPTION**

- IRIG-B Date/Time Stamp

**VIDEO**

- Frame Rate: 60 Hz
- Analog Output: SMPTE 720 (1024 x 720) NTSC or PAL
- Digital Output: Ethernet H.264, 14 bit Camera Link or GIG-E

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**DETECTION (km)**

- 6° FOV, f/3; 23km rural visibility

5.2 14.3 19.7

Infrared camera technology is controlled under the International Traffic in Arms Regulations (ITAR) and may not be sent outside the US, or made available to a foreign person wherever located, except in accordance with the ITAR and as approved by the US Government. We follow the ITAR and so must you.