



C100 Payloads



Raptor

NextVision

A lightweight long range dual EO-IR stabilized camera turret, the Raptor represents NextVision's constant technological advancement. Featuring a significant IR range increase and a X80 EO zoom.

Specifications

EO Camera: Visible
400-700 nm
Resolution: 1280 x 720
Zoom: x40 + x2 digital,
(total x80) continuous zoom
H.FOV: 60° W.FOV – 1.5°
N.FOV – 0.75° D.FOV

IR Camera: LWIR uncooled
8-14 μ m
Resolution: 1280 x 720
Zoom: x8 digital,
continuous zoom
H.FOV: 17.5° W.FOV – 2.2°
D.FOV

Field of Regard:
Pan: 360° noncontinuous
/ continuous
Tilt: -45° to +135°

Laser Pointer (Optional):
850nm 200mW
Stabilization: < 50 μ rad
Operational Temperature:
-20°C [-4°F] to
+55°C [+131°F]



DragonEye2

NextVision

DragonEye2 is a dual EO-IR stabilized camera with a mere weight of 115 grams offering unparalleled long-range observation capability.

Specifications

EO Camera: Visible
400-700 nm
Resolution: 1280x720
Zoom: x20 + x2 digital,
(total x40) continuous zoom
H.FOV: 60° W.FOV – 3°
N.FOV – 1.5° D.FOV

IR Camera: LWIR
uncooled (8-14 μ m)
Resolution: 640 x 480
Zoom: x4 continuous
digital
H.FOV: 32° W.FOV – 8°
D.FOV



X80
NextVision

Named after its phenomenal zoom capability, the X80 is a light-weight long-range EO stabilized camera turret.

Specifications

EO Camera: Visible 400-700 nm	Field of Regard:
Resolution: 1280x720	Pan: 360°
Zoom: x40 + x2 digital, (total x80)	(noncontinuous)
continuous zoom	Tilt: -45° to +80°
H.FOV: 60° W.FOV – 1.5°	Stabilization: < 50 µrad
N.FOV – 0.75° D.FOV	



HD40-LV
Trillium

The HD40-LV is available as an EO/IR system, featuring a 10x optical zoom visible camera and a fixed focal length uncooled LWIR camera.

Specifications

EO Camera: 720p Global Shutter Visible Camera	Thermal FOV: 18.2° (Digital 4.6°)
EO/FOV: 54° – 4.9° (Digital 2.5°)	Weight: 998g (2.2 lbs)
Thermal Camera: LWIR 640 with 24mm lens	



HD40-XV
Trillium

The HD40-XV is packed with advanced software features that elevate users, aerial imaging experience.

Specifications

EO Camera: 720p Global Shutter Visible Camera	Thermal FOV: 18.2° (Digital 4.6°)
EO/FOV: 54° – 4.9° (Digital 2.5°)	Weight: 998g (2.2 lbs)
Thermal Camera: LWIR 640 with 24mm lens	



STAG5-LLD
Leonardo DRS

High Performance SWaP
Optimized Stabilized Intelligence, Surveillance and Targeting for Group 1-3 UAS.

Specifications

EO: 1280 x 720 14.3° - 4.1° HFOV
IR: 1280 x 1024 18.3° HFOV
See Spot: 1280 x 1024 13.9° HFOV
• STANAG 3733 compliant LD
Weight: 2,404g (5.3lbs)