

### Advanced Imaging Capability

Our payloads collect full motion video utilizing multiple sensors in support of intelligence operations. These systems provide solutions to complex tactical situations through the use of high definition and unique imaging solutions. When size, weight and power are priorities, TASE Imaging Systems is the leader in creating sound solutions in demanding environments

### Industry Leading Size Weight and Power(SWaP)

The TASE series of stabilized camera payloads are small, light-weight and robust. Less weight and minimal power requirements translate into increased useful load, endurance and mission performance.

### Advanced Command and Control Software

ViewPoint is an advanced user interface software application that displays video and command/control for TASE payloads.

Key features include: video recording and playback with associated payload metadata, real-time display of video and metadata for operational awareness, camera control via joystick, keyboard and/or touchscreen.

**Object Tracking** The TASE payload autonomously tracks selected objects such as people, cars, trucks or other objects moving in the scene based on image match within a user adjustable target box.

**Moving Map** displays location and payload sensor footprint on ground. Satellite, streets and maps, or any user supplied map supported.

**PathTrack** autonomously points the payload toward pre-loaded GPS coordinates along a path. Path-Track auto-detects aircraft heading and picks up the path for tracking.

**Geo-Stamp** allows the operator to designate areas of interest with the click of a button. The event is tagged on a map, a still image is captured, and the location is logged. This feature is invaluable when a still-image of an object/feature is needed for later reference.

### TASE Payload Key Features

- Onboard GPS/INS - no external IMU needed for geo-pointing
- Fiber Optic Gyro (FOG) stabilization
- Common operator interface across TASE family
- Environmentally sealed
- Onboard image processing capable of target tracking, scene steering and electronic image stabilization
- Laser Illuminator (Narrow Beam), Laser rangefinder options (selected payloads only)



Advanced Day / Night Imaging



High Definition Daylight Imaging



Extended and Long Range Imaging



Due to our continued efforts in product improvement, all product specifications are subject to change without notice.

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# TASE Advanced Imaging Systems

Superior Performance, Lowest Size Weight and Power (SWaP)



**TASE250 LWIR**  
Compact Lightweight EO/LWIR

**TASE400 DXR**  
Extended Range Daylight Imaging

**TASE400**  
Advanced Day / Night Imaging

**TASE400 LRS**  
Long Range Day / Night Imaging

**TASE500 HD**  
Advanced Multi-Spectral Imaging

ENVIRONMENTAL

**Mechanical**  
Diameter: 5.5 inches (139.7 mm)  
Height: 7.5 inches (190.5 mm)  
Weight: <4.3 lbs (1.95 kg)

**Electrical**  
VIN: 14 - 30 Volts  
Power: 25W (average) 100W (max)

**Mechanical**  
Diameter: 7 inches (177.8 mm)  
Height: 10.5 inches (266.7 mm)  
Weight: 8.25 lbs (3.74kg)

**Electrical**  
VIN: 10 - 30 Volts  
Power: 25W (average) 100W (max)

**Mechanical**  
Diameter: 7 inches (177.8 mm)  
Height: 10.5 inches (266.7 mm)  
Weight: 8.0 lbs (3.62kg)

**Electrical**  
VIN: 10 - 30 Volts  
Power: 35W (average) 100W (max)

**Mechanical**  
Diameter: 7 inches (177.8 mm)  
Height: 10.5 inches (266.7 mm)  
Weight: 8.9 lbs (4.04kg)

**Electrical**  
VIN: 10 - 30 Volts  
Power: 35W (average) 100W (max)

**Mechanical**  
Diameter: 10.25 inches (260.35 mm)  
Height: 14.75 inches (374.65 mm)  
Unmanned Weight: 33 lbs (15 kg)  
Manned Weight: 37 lbs (17 kg)  
Color: Black and gray

**Electrical**  
VIN: 18 - 30 Volts  
Power: 95W (average) 125W (max)

PERFORMANCE

**Payload Performance**  
Payload Stabilization: 2-axis

**Video Out**  
- (H.264): 640 x 480 30Hz

**Long Wave IR Camera**  
Dual field of view lens  
HFOV: 11° - 4.4°  
Resolution: 640 x 480

**Daylight Camera**  
Stepped Digital Zoom: 4x  
HFOV: 10° - 2.5°

**Laser Illuminator** (optional)  
(Narrow Beam)<sup>1</sup>  
Class IIIb laser<sup>1</sup>  
830 nm (NVG band)  
150 mW max

**Payload Performance**  
Payload Stabilization: 2-axis

**Video Out**  
- SD: NTSC or PAL  
- HD (H.264): 720P 30Hz

**Daylight Camera 1**  
Continuous Optical Zoom: 36x  
HFOV: 57.8° - 1.7°

**Daylight Camera 2**  
121x fixed zoom  
HFOV: 0.46° (SD) / 0.92° (HD)

**Payload Performance**  
Payload Stabilization: 2-axis

**Video Out**  
- SD: NTSC or PAL  
- HD-SDI: 720P 30Hz (HD Daylight Camera<sup>2</sup>)

**Mid Wave IR Camera**  
Continuous Optical Zoom: 10x  
Continuous Digital Zoom: 4x  
Wavelength: 3 to 5 μm  
Resolution: 640 x 512  
HFOV: 22° - 2.2° continuous

**Daylight Camera**  
Continuous Optical Zoom: 36x  
HFOV: 57.8° - 1.7°

**HD Daylight Camera\*** (optional)  
Continuous Optical Zoom: 30x  
Resolution: 1280 x 720  
HFOV: 59.5° - 2.1°

**Laser Rangefinder** (optional)  
Class I Eye-safe  
1550 nm  
4km range

**Laser Illuminator** (optional)  
(Narrow Beam)<sup>1</sup>  
Class IIIb laser<sup>1</sup>  
830 nm (NVG band)  
150 mW max

**Payload Performance**  
Payload Stabilization: 2-axis

**Video Out**  
- SD: NTSC or PAL  
- HD (H.264): 720P 30Hz

**Mid Wave IR Camera**  
Continuous Optical Zoom: 10x  
Continuous Digital Zoom: 4x  
Wavelength: 3 to 5 μm  
Resolution: 640 x 512  
HFOV: 22° - 2.2° continuous

**Daylight Camera**  
Continuous Optical Zoom: 36x  
HFOV: 57.8° - 1.7°

**Spotter Camera**  
53x fixed zoom  
HFOV: 1.06° (SD) / 2.12° (HD)

**Laser Illuminator** (optional)  
(Narrow Beam)<sup>1</sup>  
Class IIIb laser<sup>1</sup>  
830 nm (NVG band)  
150 mW max

**Payload Performance**  
Payload Stabilization: 4-axis

**Video Out**  
- HD (H.264): 720P 30Hz  
- HD-SDI: 720P 30Hz

**Mid Wave IR Camera**  
Continuous Optical Zoom: 6.3x  
Continuous Digital Zoom: 4x  
Wavelength: 3 to 5 μm  
Resolution: 1280 x 720  
HFOV: 17.° - 3.0° continuous

**Daylight Camera**  
Continuous Optical Zoom: 18x  
HFOV: 42.3° - 2.3°

**Daylight Spotter**  
Fixed Spotter Lens  
Resolution: 1280 x 720  
HFOV: 0.9°

**Laser Illuminator** (optional)  
(Narrow Beam)<sup>1</sup>  
Class IIIb laser<sup>1</sup>  
830 nm (NVG band), 150 mW max