

Corridor/Small Area Mapping

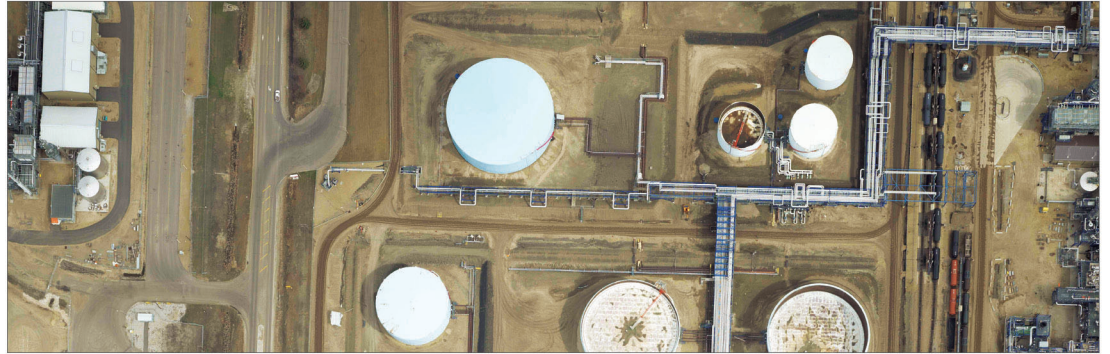
T-7200 Aerial Digital Camera

Applications

- Power line surveys
- Railway and road surveys
- City mapping
- Asset management

Advantages

- Improved time to delivery
- Operational flexibility
- Improved productivity
- Simplified service and maintenance



Standalone or integrated with lidar or other sensors, the T-7200 is your complete corridor and small area mapping solution.

With a footprint of 7,200 pixels across by 5,400 pixels along the flight line, the T-7200 is the perfect aerial digital camera for lidar integration or to perform small engineering surveys.

The T-7200 features a patented and proven field-replaceable shutter, providing rapid field replacement with no impact on camera geometry. Its interchangeable lens capability, based on Optech's patented kinematic mount, offers a unique and stable operational flexibility while maintaining geometric accuracy.

The T-7200 can be combined with other Optech camera heads for simultaneous color infrared (CIR), true independent channel multispectral, or thermal infrared data collection.

The bonus? It's all backed by Optech's industry-leading global 24/7 support.

The T-7200 is a complete solution that delivers business value ... today.



 Corridor Mapping



 Small Area Survey

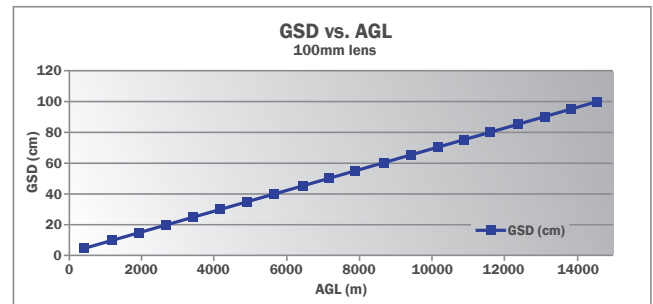
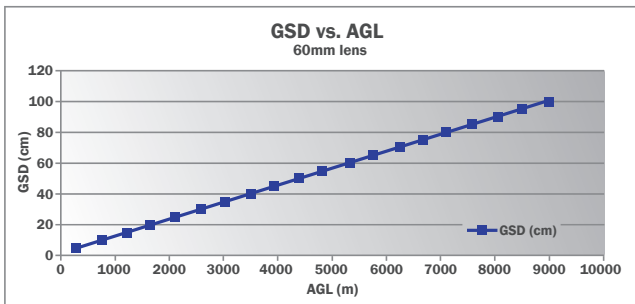


 Facility Asset Management

7,200 x 5,400



T-7200 Aerial Digital Camera



Parameter	Specification
Camera Head	
Sensor type	39 Mpix full frame CCD, RGB/panchromatic
Sensor format (H x V)	7,216 x 5,412 pixels
Pixel size	6.8 μm x 6.8 μm
Frame rate	1 frame/2.5 sec.
Shutter	Field-replaceable, electro-mechanical focal plane mechanism (patented) 1/125 to 1/3649 sec.
Lenses	60 mm/100 mm, F/4
Dimensions (H x W x D)	246 x 179 x 127 mm (60 mm lens)
Weight	~6.5 kg (60 mm lens)
Operating temperature	0-40 °C non-condensing
Controller Unit	
Computer	DGX controller with Camera Link interface
Removable storage unit	~500 GB solid state drives, 8000 images
Power consumption	~80 W
Dimensions	19" rack, 2U
Weight	~9.3 kg
Image Pre-Processing Software	
Pixel Physics	Radiometric control and format conversion, TIFF or JPEG
Image output	7,216 x 5,412 pixels 8 bits or 16 bits per channel (~117 MB or ~234 MB per image)

Lenses are designed for flying altitudes of up to 10,000 ft AGL.
U.S. Patent No. 7,899,311

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