


# Lynx Camera

## Summary Specification Sheet

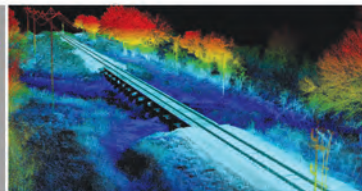


Lynx Imaging Camera

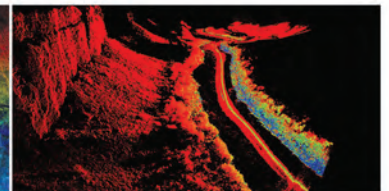
 The Lynx Mobile Mapper™ offers timestamped and calibrated passive-imaging cameras that are fully integrated. Up to four cameras can be integrated with each Lynx system.



 Road



 Rail



 Water



# Lynx Camera

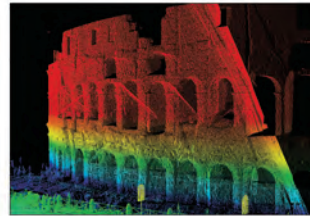
## The Lynx Camera Advantage

### Camera and point-cloud data

Cameras complement and enhance the lidar point cloud data by providing co-located, simultaneous and georeferenced imaging of the scene surveyed by the sensors. Sensor fusion and a multi-sensor system add value to the lidar data at a minimal financial and operational cost.

Although cameras are optional, most Lynx clients place a high priority on acquiring camera data in tandem with spatial data, as quickly as possible and with minimal disruption to their surroundings.

The camera configuration and mounting points are both flexible. Lynx clients can choose either a 2-MP or a 5-MP camera in a custom environmentally isolated protective enclosure.



| Parameter                                     | 2-Megapixel Camera CB-200 GE               | 5-Megapixel Camera BB-500 GE             |
|---|--|--|
| Lens, standard                                | F1.8/4.8 mm lens                           | F1.4/8 mm lens                           |
| Shutter speed (electronic)                    | Up to 5 frames/second                      | Up to 3 frames/second                    |
| Image resolution, (h) horizontal (v) vertical | Up to 1624 x 1236, scalable                | 2456 x 2058, scalable                    |
| Field of view                                 | Horizontal 73°, vertical 59°               | Horizontal 57°, vertical 47°             |
| CCD/chip dimension                            | 1/1.8" Bayer mosaic color progressive scan | 2/3" Bayer mosaic color progressive scan |
| Pixel size                                    | 4.4-µm square pixels                       | 3.45-µm square pixels                    |
| Power   | 12 VDC                                     | 12 VDC                                   |
| Lens mount                                    | C-mount                                    | C-mount                                  |
| Weight  | 125 g                                      | 200 g                                    |
| Dimensions (H x W x L)                        | 29 x 44 x 75 (mm)                          | 55 x 55 x 55 (mm)                        |
| Shock   | 70 G                                       | 70 G                                     |
| Vibration                                     | 10 G (20 Hz to 200 Hz)                     | 10 G (20 Hz to 200 Hz)                   |
| Operating temperature                         | -5°C to +45°C <sup>1</sup>                 | -5°C to +45°C <sup>1</sup>               |
| Relative humidity                             | 0 - 95% non-condensing                     | 0 - 95% non-condensing                   |
| Storage temperature/humidity                  | -25°C to +60°C; 20-90%                     | -25°C to +60°C; 20-90%                   |

1 Extreme temperature option available.

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Lidar Imaging Solutions