Sensor Forks & Camera Forks
Frequently Asked Questions

1. Q: What are Sensor Forks?

A: Sensor Forks are a digitally-enhanced fork that provides lift truck operators with live video feed and sensor information from the tip of the fork, providing visibility during operation and improving efficiency.

2. Q: What's the difference between Sensor Forks and Camera Forks?

A: Sensor Forks are available in a variety of configurations to suit your needs. Consult the table below and see product literature for full specifications.

Model	**Camera Forks** Embedded camera			**Sensor Forks** Embedded camera & Full Sensor Package			
Functions	High-Resolution Video; Light; Fork Angle Sensor			High-Resolution Video; Light; Fork Angle Sensor, Distance Sensor; Vertical Object Detection			
Battery Pack Location	**Top Mounted** (Standard)	**Remote – Low Profile Model** For trucks with load backrests		**Top Mounted** (Standard)		**Remote – Low Profile Model** For trucks with load backrests	
Connectivity	**Wireless**	**Hardwired**	**Wireless**	**Wireless**	**Hardwired**	**Wireless**	**Hardwired**

3. Q: What is the environmental rating of Sensor Forks?

A: The fork assembly is rated for IP67. It can be temporarily submerged in water up to 1 meter (3 feet) deep. The display is rated for IP65. It is protected against water jets from any angle.

4. Q: How durable is the camera?

A: There are no moving mechanical components and all electronics are potted to endure high shock loads (MIL STD-810F (40G @ 6ms)). The lens cover is chemically hardened to prevent scratches and cracking. User should keep lens clean and avoid direct impact from debris as much as possible.

5. Q: What is the field of view of the camera?

A: The main camera has a field of view of 36 degrees. The Auxiliary camera (wide-angle) has a field of view of 130 degrees.

6. Q: What languages does the display work in?

A: The display can be set to English, German, Italian, Japanese, or Spanish.

7. Q: How long does start up take?

A: The daily startup should take less than 30 seconds.

8. Q: What type of battery is used for the camera on the forks?

A: The battery is a commercially available Li-Ion battery pack that provides up to 12 hours of operation.

Want to learn more?

Pricing, specification sheets and technical literature is available for immediate download at **www.cascorp.com,** or through a Cascade representative.

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9. Q: How long does it take to charge the battery?

A: Less than 3 hours at 25 °C
(under optimal charging conditions: maximum current supply and 25 °C ambient temperature)

10. Q: What time and date formats are available?

A: The date can be displayed as one of the following:
- Month, Day, Year
- Day, Month, Year
- Year, Month, Day

Time can be set as a 12 hour or a 24 hour clock.

11. Q: What is the purpose of the light?

A: The light is to assist the camera in low light conditions. It is not intended to illuminate a large area for driver visibility.

12. Q: How far can the fork be from the display?

A: Up to 15 meters (50 feet) with minimal obstructions. It was designed with high stacking operations in mind.

13. Q: What is the camera's focal distance?

A: The camera lens focal point is set at 1.5 meters (5 feet) from the tip of the fork.

14. Q: What is the resolution of the display?

A: 1280 x 800

15. Q: Can I use my own display?

A: No. We do not support video or sensor data output from the current system at this time.

16. Q: How many camera forks can operate simultaneously?

A: Environmental factors such as number of Wi-Fi networks and channel separation play a role in determininghow many units can operate in close proximity. In normal environments, a customer can easily operate 3-5 units within 30 meters (100 feet) of one another without losing signal quality.

17. Q: How can I improve the video signal quality?

A: Change the wireless channel.Use a free mobile Wi-Fi signal scanner app to determine what channels are least used in your environment and change the system to one of those. If you have multiple sensor forks working near each other separate the channels by 2 or 3. For example: Unit #1 on channel 1, Unit #2 on channel 4, Unit #3 on channel 7, etc.

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