Enhance Your Forklift with Maximum Visibility & Precision.
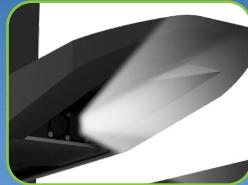
Carrier and load backrest not included.

Display Dimensions 8.6" x 5.9" x 2.4"
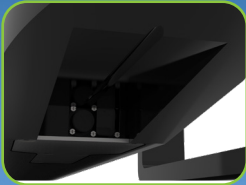
Camera assembly and wiring protected within fork shank for longevity

Low-light camera assist for versatile handling

Adjustable horizontal target line and fork tilt angle indicator

Fully wireless transmission over the mast to 50 feet

Auxiliary wide-angle camera

APPLICATIONS

With a camera embedded, and an optional remote mounted camera, Camera & Sensor Forks offer lift truck operators the visibility and precision for maximum efficiency while handling. Sensor Forks additionally offer a distance sensor and a vertical object detection sensor, which allow you to see exactly where your fork meets the load. The optional auxiliary camera can provide an additional point of view to support the operations. The display allows wireless or hardwired communications with the embedded components to facilitate installation. Improve productivity in any situation where fork tip alignment or fork angle are critical to successful operation, including: high stacking, double deep pallet racking, low light environments, bin post alignment, boat handling, label reading and more. Camera and Sensor Forks help reduce damage to product and pallets.

FEATURES - Camera Forks & Sensor Forks

- Low light camera with illumination assist embedded in the fork tip
- Packaged into single fork
- Wireless communication up to 50 feet (15 meters) between fork and display
- Cross talk protection (25+ units at one site under optimal communication conditions)
- Camera with adjustable field of view (20° of horizontal swing and 8° of vertical swing)
- 12-hour battery life; no tools required to change battery (Wi-Fi unit only)
- Adjustable horizontal and vertical target lines Fork tilt angle indicator (+/- 80°)
- Manual camera selection between the fork camera and the auxiliary camera
- Manual screen blanking
- Digital Inputs for Advance Features (e.g. screen blanking, auto camera selection, etc.)
- Display languages include English, Italian, German, Spanish and Japanese
- External illuminated power switches on battery pack & display for easy on/off

OPTIONS

- Drop shank forks
- Custom fork cross-sections and lengths upon request – Shaft or custom mounting upon request
- Fork mounted battery pack models available
- Hard-wired version (no wifi - Sensor Forks only)
- Auxiliary camera with forward and rearward views
- Hardware kits for auto camera selection or screen blanking (Consult Cascade for availability)

FEATURES - Sensor Forks

- Distance sensor with adjustable trigger points
- Vertical object detection sensor
- Object detection and distance indicators are shown on the display

cascade corporation

Driver Display

Transmitter battery pack detached for flexible installation
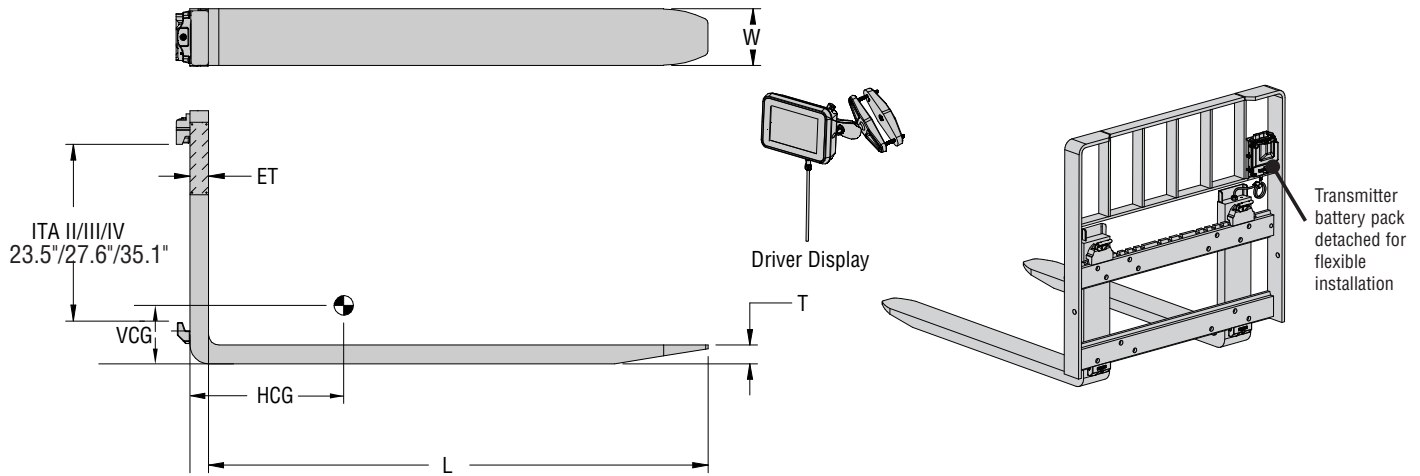
Catalog Order No.	Capacity @ 24" (600 mm) Load Center		Mtg. Class	Fork Thickness	Fork Width	Fork Length	Effective Thickness	Horizontal Ctr. of Gravity	Vertical Ctr. of Gravity	Weight (Per Pair)	
	lbs	kg		T	W	L	ET	HCG	VCG	lbs	kg
Camera Forks WiFi ① – Remote Backpack											
25C-CWF-2A-1216	5,500	2,500	II	1.6"	4.8"	42.0"	1.6"	13.0"	3.9"	260	118
25C-CWF-2A-1223	5,500	2,500	II	1.6"	4.8"	48.0"	1.6"	15.5"	3.6"	282	128
25C-CWF-2A-1230	5,500	2,500	II	1.8"	4.8"	60.0"	1.8"	20.9"	3.1"	375	170
25C-CWF-2A-1239	5,500	2,500	II	1.8"	4.8"	66.0"	1.8"	23.6"	2.9"	401	182
45C-CWF-3A-1216	10,000	4,500	III	2.0"	4.8"	42.1"	2.0"	12.0"	3.5"	344	156
45C-CWF-3A-1223	10,000	4,500	III	2.0"	4.8"	48.0"	2.0"	14.5"	3.4"	375	170
45C-CWF-3A-1230	10,000	4,500	III	2.0"	4.8"	60.0"	2.0"	19.7"	2.3"	437	198
45C-CWF-3A-1239	10,000	4,500	III	2.0"	4.8"	72.0"	2.0"	25.2"	1.8"	500	227
50C-CWF-4A-1223	11,000	5,000	III	2.0"	5.9"	42.1"	2.0"	12.2"	3.5"	423	192
50C-CWF-4A-1230	11,000	5,000	III	2.0"	5.9"	48.0"	2.0"	14.6"	3.0"	459	208
50C-CWF-4A-1239	11,000	5,000	III	2.0"	5.9"	60.0"	2.0"	19.9"	2.3"	538	244
50C-CWF-4A-1246	11,000	5,000	III	2.0"	5.9"	72.0"	2.0"	25.3"	1.8"	617	280
80C-CWF-4A-1223	18,000	8,000	IV	2.6"	5.9"	48.0"	2.6"	13.3"	8.4"	638	258
80C-CWF-4A-1230	18,000	8,000	IV	2.6"	5.9"	54.0"	2.6"	15.7"	7.9"	689	288
80C-CWF-4A-1239	18,000	8,000	IV	2.6"	5.9"	60.0"	2.6"	18.3"	7.4"	739	350
80C-CWF-4A-1246	18,000	8,000	IV	2.6"	5.9"	72.0"	2.6"	23.5"	6.7"	840	380
Sensor Forks WiFi ① – Remote Backpack											
25C-SWF-2A-1216	5,500	2,500	II	1.6"	4.8"	42.0"	1.6"	12.6"	3.9"	254	115
25C-SWF-2A-1223	5,500	2,500	II	1.6"	4.8"	48.0"	1.6"	15.5"	3.6"	282	128
25C-SWF-2A-1230	5,500	2,500	II	1.8"	4.8"	60.0"	1.8"	20.9"	3.1"	373	169
25C-SWF-2A-1239	5,500	2,500	II	1.8"	4.8"	66.0"	1.8"	23.7"	2.9"	401	182
45C-SWF-3A-1216	10,000	4,500	III	2.0"	4.8"	42.1"	2.0"	12.0"	3.5"	344	156
45C-SWF-3A-1223	10,000	4,500	III	2.0"	4.8"	48.0"	2.0"	14.5"	3.4"	375	170
45C-SWF-3A-1230	10,000	4,500	III	2.0"	4.8"	60.0"	2.0"	19.7"	2.3"	437	198
45C-SWF-3A-1239	10,000	4,500	III	2.0"	4.8"	72.0"	2.0"	25.2"	1.8"	500	227
50C-SWF-4A-1223	11,000	5,000	III	2.0"	5.9"	42.1"	2.0"	12.2"	3.5"	423	192
50C-SWF-4A-1230	11,000	5,000	III	2.0"	5.9"	48.0"	2.0"	14.6"	3.0"	459	208
50C-SWF-4A-1239	11,000	5,000	III	2.0"	5.9"	60.0"	2.0"	19.9"	2.3"	538	244
50C-SWF-4A-1246	11,000	5,000	III	2.0"	5.9"	72.0"	2.0"	25.3"	1.8"	617	280
80C-SWF-4A-1223	18,000	8,000	IV	2.6"	5.9"	48.0"	2.6"	13.3"	8.4"	638	258
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80C-SWF-4A-1246	18,000	8,000	IV	2.6"	5.9"	72.0"	2.6"	23.5"	6.7"	840	380

① Camera & Sensor Forks display unit require 9-48 volt truck power supply. Other voltages upon request.

▶ Camera & Sensor Forks ship with a display, mounting bracket, rechargeable battery pack and battery charger.

▶ Fork mounted battery pack options will add 7" to fork shank height. Use a Cascade backrest, otherwise recommend using external mounted battery pack version.

▶ Drop shank fork and custom fork length options available.

▶ Shaft and custom mounting options available.

▶ Hardwired Models available: Hardwired models don't include Wi-Fi transmitter, batteries and charger.

▶ Hardwired models require a connection cable – see options page.

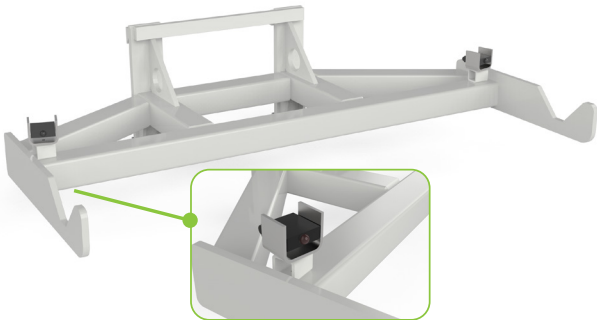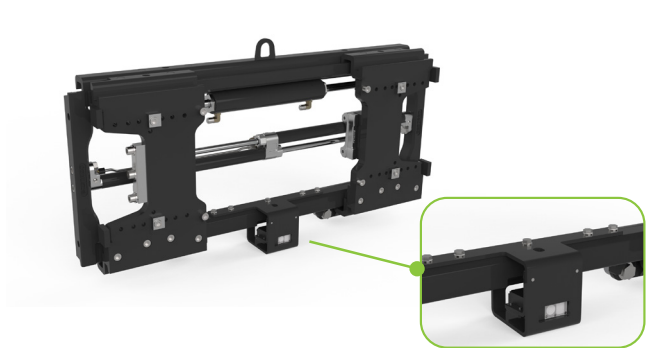▶ Auxiliary camera available. Consult Cascade.

▶ Screen Blanking and Automatic Switching between main and auxiliary camera options available. Consult Cascade.

Backview
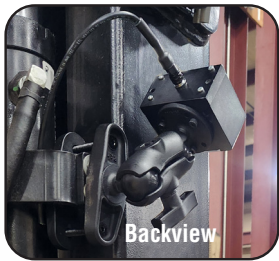
The complete camera solution available in a variety of configurations and can be installed anywhere on Cascade attachments

Catalog Order No.	Connectivity	Camera Type	Light	Tilt Sensor	Distance Sensor
1C-CSH-X-1200	Hardwired	Camera Only	√	—	—
1C-CSW-X-1200	Wireless	Camera Only	√	√	—
1C-SSH-X-1200	Hardwired	Camera w/Sensor	√	√	√
1C-SSW-X-1200	Wireless	Camera w/Sensor	√	√	√

▶ Camera Kits display require 9-48 volt truck power supply. Other voltages upon request.

▶ Wireless Camera kits ship a display, Ram mounting for display, Wireless transmitter, universal camera bracket, battery and charger.

▶ Hardwired models doesn't include Wi-Fi transmitter, batteries or charger.

▶ Hardwired models include a 10m cable (not suitable for internal reeving).

▶ Auxiliary camera available. Consult Cascade.

SPECIFICATIONS

Display	Power Supply	9-48 VDC/2A
	Screen Size	8" (205mm)
	Resolution	1280 x 800px
	Display Dimensions (WxHxT)	8.6" x 5.9" x 2.4" (220mm x 150mm x 62mm)
Primary Camera	Horizontal Field of View	36 degrees
	Power supply	Battery (WiFi) or cable to display
	Mounting	flange for machined fork tip or alternate mounting
	Resolution	2MP
Auxiliary Camera	Horizontal Field of View	130 degrees
	Power supply	Cable to Display
	Dimensions	1.7" x 3.3" x 2.7" (44 x 84 x 68mm)
	Resolution	2MP
Battery Powered Camera System	Communication	Wireless
	Battery Voltage	15V Li-Ion battery pack
	Operating Time	~12 hours continuous use
Powered by the Truck Camera System	Communication	Interconnect to Display using CAT5e min Ethernet cable - Weipu 8pin connectors
Environmental	Temperature	32°F to 104°F Operating (0°C to 40°C) -4°F to 140°F Storage (-20 to 60°C)
	Ingress Protection	Display: IP65 – Other components: IP 67