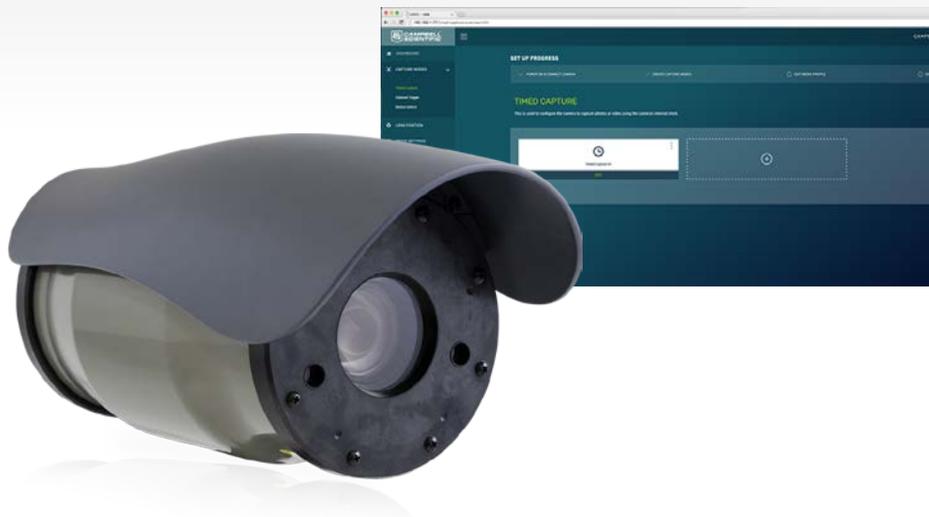




**CCFC**  
Field Camera



## 18x optical zoom and auto focus

Multiple lens positions available  
for each capture event

### The Camera

The CCFC Field Camera is a high-quality, high-resolution zoom camera specifically designed for remote outdoor applications. It captures high-quality photos and video in wide-angle and zoom during the day and night.

### Wi-Fi Camera Access

The outdoor camera, which includes Wi-Fi access, can be controlled using your Smart Phone, tablet, or laptop from the safety of the ground. The Field Camera features an all new web interface that makes setup and configuration easy, as it works on any desktop or mobile browser, and contains built-in tips to ensure you are getting the most out of your new outdoor camera. The camera capture and retrieval modes are highly configurable enabling even the most advanced users complete control of settings.

### Zoom and Auto Focus

The Field Camera comes with a high-quality 18x optical zoom lens and an upgraded image sensor. Users can designate up to 4 preset lens positions to capture images or video from different zoom lengths for each capture event. The camera's auto focus features enables it

to automatically re-focus at each zoom length so each trigger event captures a collection of clear photos and video.

### High-Quality Still Images and Video

The camera can produce still images of up to 5 megapixels and video up to 720p. The camera's image and video capture trigger modes include two independent self timers or external triggers such as datalogger control, motion detection, and web page control making it an ideal camera for a wide variety of outdoor observation and surveillance applications. The camera has IR LEDs, which illuminate in darkness to enhance photo and video quality.

### Retrieving your Images and Video

The camera can send images and video directly to your desktop or publish them to the web via various communications options! Images and video taken by the camera can be delivered to you from remote locations via cellular modem, Ethernet 10/100, RS-232, RS-485, Satellite, and PakBus. The Field Camera comes with 16 GB of internal memory to store captured media.

### Benefits and Features

- › New, easy to use web interface
- › 18x optical zoom
- › Auto focus lens
- › Configure up to 4 preset lens positions
- › High-quality; designed for outdoor observation in remote locations
- › Window defroster
- › IR LEDs for night photos and video
- › Can be controlled by internal timer or by external controls: motion detector, web page, datalogger
- › Type 3 anodization of camera body for improved performance in corrosive environments
- › Two mounting options available

More info: +44(0) 1509 828 888

[www.campbellsci.eu/ccfc](http://www.campbellsci.eu/ccfc)

## 18 x Optical Zoom



## Specifications

### General

- › Weight: 2.38 kg (5.25 lb)
- › Operating Temperature: -40°C to +60°C
- › Clock accuracy: ±2 minutes per year (-40°C to +60°C)
- › Ingress Protected (IP) 67

### Dimensions

- › Length: 28.4 cm (11.2")
- › Height: 13.0 cm (5.1")
- › Width: 13.2 cm (5.2")

### Power

- › Operating Power: 9 to 30 Vdc input voltage
- › Current Draw: 250 mA at 12 Vdc nominal; 1.4 A (defroster on) at 12 V
- › Quiescent: <1 mA (*Off Power* mode)

### Power & I/O Cable

- › Maximum recommended length: 20 m (65 ft)

### Media (Photo and Video) Capture

- › Media Capture Triggers: Two independent self-timers; external trigger; motion detect; web page control
- › Programmable Photo Resolutions (JPEG)
  - 2592 x 1944; 1280 x 960
  - 1280 x 720; 640 x 480
  - 640 x 352; 320 x 240; 320 x 176
- › Video Recording (MPEG4): 1280 x 720; 320 x 240
- › Video Frame Rate Options: 30, 15, and 7.5 frames per second (FPS)
- › Photo and Video Capture Time from wake
  - In *Partially On* and *Deep Sleep* modes: 10 seconds
  - In *Off* mode: 90 seconds

### Lens

- › Focal Length: 4.70 to 64.6 mm
- › Field of View: 4° to 67.3°
- › Zoom ratio: 18x

Accessories			
<b>CCFCCBL1-L</b>	CCFC Power and I/O Cable (custom lead length; 19.8 m (65 ft) max).	<b>105TX</b>	Unmanaged Industrial Ethernet Switch - 5 Port (Ethernet cables sold separately) ROHS.
<b>CCFCCBL2-L</b>	CCFC RJ45 Environmental Ethernet Cable (custom lead length; 70 m (230 ft) max).	<b>L28899</b>	Interface Cable CAT6 Ethernet Cable Unshielded (61 cm (2 ft)).
<b>L18549</b>	Mounting kit for mounting to a crossarm.	<b>L28900</b>	Interface Cable CAT5 Ethernet Cable Unshielded (305 cm (10 ft) lead).
<b>CM200 Series</b>	Crossarm (lengths of 61, 122, 182 cm (2, 4, or 6 ft)).	<b>L28898</b>	Interface Cable CAT5e Ethernet Cable Unshielded (15 cm (6 in)).
<b>L28033</b>	Ethernet Surge Protector helps protect devices from electrical surges. An Ethernet (L28898 or L28900) cable is required to connect the L28033 to the camera.		