

CC640 Digital Camera

for harsh, remote environments



The CC640 Digital Camera is designed to store and/or transmit images in harsh remote locations. What sets this camera apart is that it will operate in very cold environments (down to -40 °C) without heating and has a very low quiescent current of 0.25 mA. The camera is capable of storing Digital JPEG images on a compact flash card (> 10,000 images) or downloading them to a Campbell Scientific datalogger via PakBus for remote image retrieval. The CC640 can function as a stand-alone image logger in a self-timed mode or be triggered by applying a 5V control signal. It includes a video output, which

can be used with a portable TV to target and focus the image in the field. The CC640 can operate a relay for turning on/off external devices.

Targeted operating locations include mountaintops, highways, etc.

Datalogger Connection

If the distance between the camera and datalogger is less than 8 m the CC640 typically connects to the datalogger via the COMCBL1-L cable. When Campbell Scientific's MD485 Multidrop Interface is used, the camera and datalogger can be at a distance of up to 1200 m. Our MD485 interface connects to the camera via the CABLE5CBL-L cable. The CABLE3CBL-L cable is used for the power and pulse connections.

Optional items include:
CC4718 Camera Enclosure
RS232 Connection Kit with cable
12 Vdc Heater Kit

Specifications

Power: 9-15 VDC

Current draw: Operating
250mA max.

Standby 250uA

Video Output: NTSC,
PAL

Communication Ports:
RS232, RS485, CSI/O

Camera Resolution:
640 x 480 pixels

JPEG compression
(Image size 25K to 400K
(lossless))

Operating temperature
range: -40 °C to +70 °C

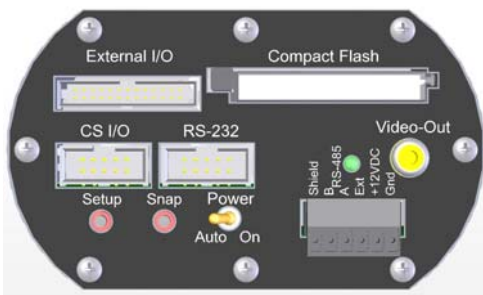
Time to take image:
~ 10 seconds

Dimensions: 215mm W x
65mm H x 110mm D

Weight: 500 g

Camera Models: CC640
F1.4 3.5-8mm Varifocal
Lens with Electronic Iris

CC640-612 F1.6
6-12mm Varifocal Lens
with Electronic Iris



We reserve the right to alter specifications without notice

CSL 574

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