

Clifton Cameras Product Specification

ZEISS DTI 1

Specifications

Optics

Focal length:	19 mm / F1.0 25 mm / F1.0
Range:	~ 1,000 m ~ 1,320 m
Eyepiece field of view in ° (subjective field of view):	Diagonal: 30°
Lens field of view in m at 100 m:	Horizontal: 24 m Horizontal: 18 m
Lens side field of view in ° (horizontal x vertical):	14° x 10° 11° x 12°
Optical magnification:	1.8 x 2.5 x
Maximum digital zoom:	4 x
Zoom increments:	In 0.5 x increments from: 1.0 x – 4.0 x

Sensor

Sensor resolution:	384 x 288 px
Sensor pixel pitch:	12 µm
NETD value:	≤ 35 mK
Frame rate:	50 Hz

Display

Display resolution:	1,280 x 960 px
Display type:	LCOS

Electronics

Interfaces:	USB: charging + data transfer; WLAN: data transfer
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Battery:	Lithium-ion
Battery life:	6.5 h
External power supply:	5 V / 3 A, 9 V / 2 A, 12 V / 1,5 A (USB)
Internal memory:	8 GB
Video / photo:	Yes
WLAN frequency:	2.4 GHz
WLAN standard:	IEEE 802.11 b/g/n

General

Ingress protection rating:	IP 65
Operating temperature range:	-10 °C / + 50 °C (+14 °F / +122 °F)
Length x Width x Height:	175 mm x 57 mm x 62 mm
Weight:	360 g