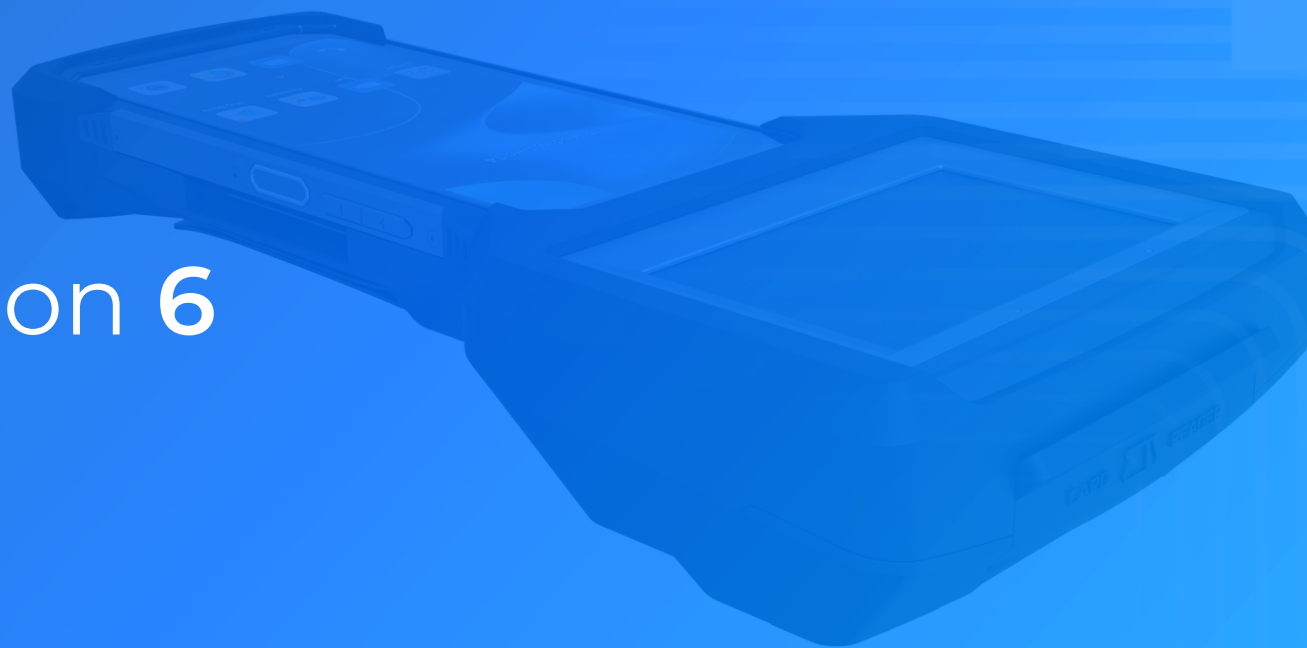




# Chameleon 6



Version 2

**Draft Specification - Release Date TBA**

# Configuration

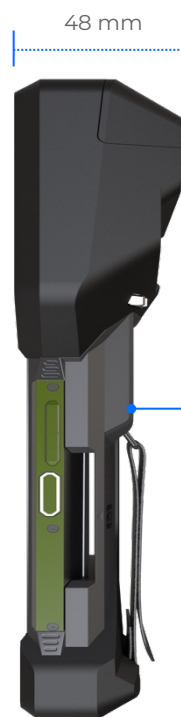


## ■ Features

- Helio P90 / Octa Core / 2.1GHz / 12nm Processor
- 8 GB RAM + 128 GB ROM / UMCP
- FAP50 Fingerprint Scanner
- Triple Rear Camera System (48 MP+20 MP+8 MP)
- 12000mAh Large Battery / Support 33W (fast charging)
- Rugged IP65 / MIL 810H Protection
- Contact and Contactless(NFC) Card Readers
- 6.3" LCD FHD + DotDisplay
- Corning Gorilla Glass Screen
- Optional Dual Iris Scanner with Binocular Attachment



# Configuration



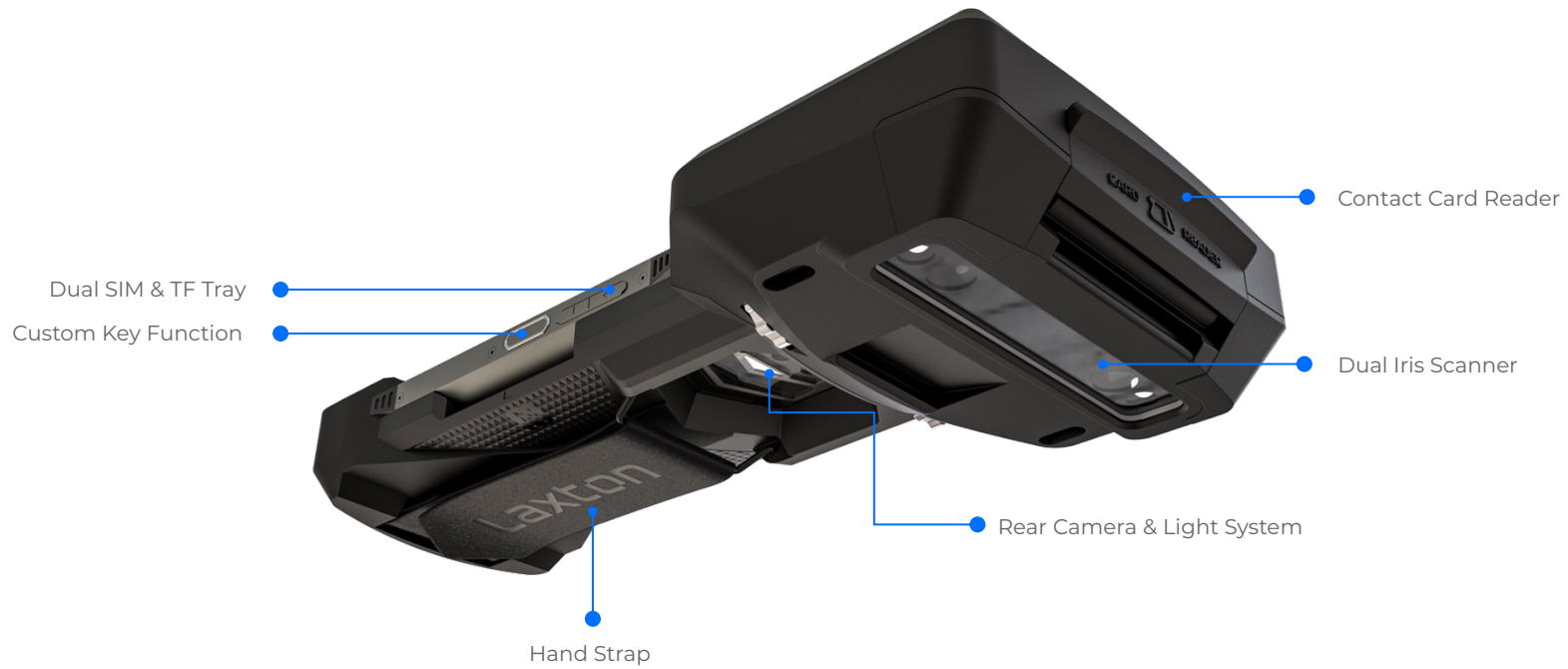
**Weight**  
976 g



# Configuration



# Configuration



Dual SIM & TF Tray

Custom Key Function

Hand Strap

Contact Card Reader

Dual Iris Scanner

Rear Camera & Light System

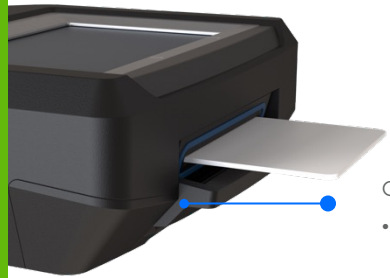
# Configuration



Smart Card Slot on both sides for NFC Scanning  
(Contactless Card Reading)



# Configuration



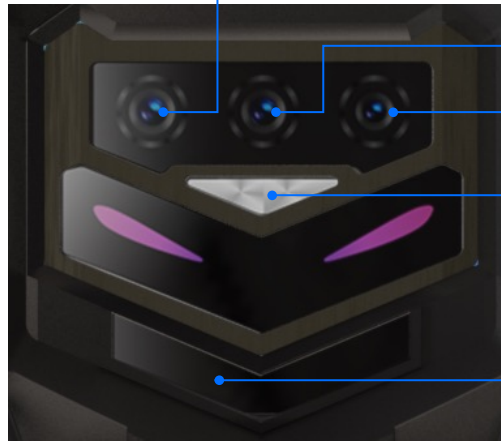
Contact Card Reader  
• Cover Open



Contact Card Reader  
• Cover Closed



# Configuration



48 MP Main Camera

8 MP Macro Camera

20 MP IR Camera

2 x Rear LED Flashlight

4 x Rear IR Emitter Lights



# Configuration

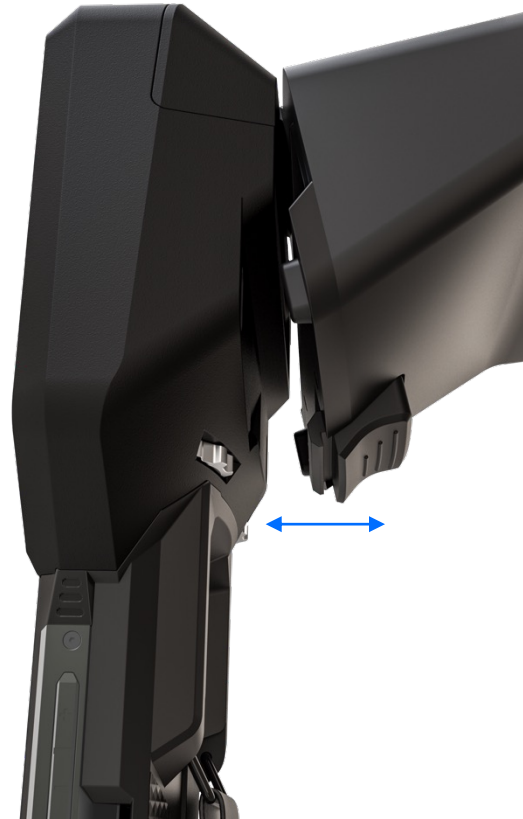


Iris Binocular Goggles  
Easy Clip-On Release Mechanism

## ■ Features

- Rugged clip-on dual iris scanner
- Ensures optimal eye scanning distance
- Provides protection against unwanted light interference
- Ideal for outdoor ID registration
- Dimensions: 173mm x 85mm x 158mm

# Configuration





# Technical Specifications

# Technical Specifications



Operating System	Android 12.0
Processor & GPU	<ul style="list-style-type: none"><li>• Helio P90 Octa Core 2.1GHz 12nm</li><li>• 2 x Cortex A76 2.1GHz + 6 x Cortex A55 2.0GHz</li><li>• ARM GM9446 Up to 970MHz</li></ul>
Memory	8 GB RAM LPDDR4X +128GB ROM / UMCP
External Storage	T-Flash Card up to 512 GB
Cellular Connectivity	<p>Supports dual nano SIM cards 3G/4G LTE supported</p> <p><b>Network bands:</b></p> <ul style="list-style-type: none"><li>• FDD: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66</li><li>• TDD: B34/38/39/40/41</li><li>• WCDMA: B1/2/4/5/6/8/19</li><li>• CDMA: BC0/BC1/BC10</li><li>• GSM: B2/3/5/8</li><li>• Support EDGE/GPRS</li></ul>
Wi-Fi Connectivity	2.4G / 5G (802.11ac/a/b/g/n)
OTG	Supported
Bluetooth	Bluetooth: BT5.1



#### Location Service

GPS | Glonass | Galileo | Beidou

#### Display

##### 6.3" LCD FHD+ DotDisplay

- Corning Gorilla Glass
- 1080\*2340 Resolution
- 409 PPI Pixel density
- 16.7 million colors
- 19:9 Aspect Ratio
- 480cd/m<sup>2</sup> Brightness
- 5000:1 Contrast

#### Front Camera

##### 16 MP Front camera

- Samsung @ S5K3P9SP Sensor chip
- 80° FOV
- F/2.0 ± 5% Aperture

#### Rear Main Camera and Lights

##### 48 MP AI main came

- SONY® IMX582 Sensor chip
- F/1.8 ± 5% Aperture
- 90° FOV
- Support PDAF
- Supports 2 Rear Flashes



#### Rear Macro Camera

##### 8 MP Wide Angle & Macro Camera

- Samsung® S5K4H7 Sensor chip
- F/2.2 ± 5% Aperture
- 130° FOV

#### Rear IR Camera and Light Emitters

##### 20 MP IR camera

- SONY® IMX350 Sensor chip
- F/1.8 ± 5% Aperture with 80° FOV
- 4 x infrared night vision lights

#### Contactless Card Reader (NFC)

Android Google Standard protocol onboard

Active and passive Peer-to-Peer (ISO/IEC 18092 - NFCIP-1 Initiator & Target)

##### Passive mode – Reader/Writer

- NFC Forum Type 1/2/3/4/5 tags
- ISO/IEC 15693
- MIFARE® Classic12
- Thinfilm (ex Kovio) Barcod

##### Active mode – Card Emulation

- ISO/IEC 14443 Type A & B
- JIS X 6319 – 4
- MIFARE® Classic(a)(b) through SWP-CLT



#### Contact Card Reader

- Supports ISO 7816 –Class A,B and C
- EMV Level 1, EN60950/IEC 60950
- Supports T=0 , T=1 Protocols
- CAC Smart Cards Supported

#### Fingerprint Scanner

- Light Emitting Sensor (LES)
- FAP50 FBI Appendix F-Certified
- Mobile ID IQS FAP50, PIV, GSA FIPS201
- 500PPI Resolution
- 10-Finger (4+4+2) scanner
- Automatic spoof rejection

#### Iris Scanner (Optional)

- Binocular contactless dual iris scanner
- Image Resolution: ISO Standard 19794-6 (2005 & 2011), (640 x 480 pixels, 8bit Grayscale), Full support of K1, K2, K3, K7
- VGA Sensor
- Focal Distance: 13.5 cm ~ 14.5 cm (5.3 inches ~ 5.7 inches)
- Pixel Density: Normally greater than 210 pixels across iris diameter
- Eye safety (IEC 62471:2006-07) compliant

#### External Ports

- SIM tray containing 2 Nano SIMs and 1 TF card
- 1 x USB Type-C port (for charging and communication)



**Physical Buttons**

- Volume up/down buttons
- Custom function button
- Power on/off button

**Speaker**

Yes

**Microphone**

Yes

**Sensors**

- Hard coulometer
- Rapid Charge
- Sound Amplifier
- G-sensor
- Proximity sensor
- Ambient light sensor
- Compass (magnetic)
- Geomagnetism
- Gyroscope

**Battery**

- 1 x Integrated rechargeable lithium-polymer 12000mAh large battery
- 33W Type-C fast charge
- Normal use 2-4 days on single charge
- Standby 26 days
- 4.4V Voltage



**Charger**

- 1 X Battery charger
- Input: 100-240VAC 50/60Hz
- Output: 11VDC 3A

**Enclosure**

- Protective and durable PC/ABS enclosure with rugged silicon over mold
- IP65 Rated, MIL 810H Certified,
- 1.2m Drop Test Certified
- Durable nylon hand strap included

**LED Indicator Light**

Yes, located above display

**Dimensions (L x W x D)**

294mm x 135mm x 48mm

**Weight**

Approx. 976g

**Environmental Conditions****Temperature**

Humidity (non-condensing)

**Operating Conditions**

-10°C ~ +50°C  
10% < RH < 90%

**Storage**

-20°C ~ +60°C  
-5% < RH < 95%

**Certifications**

CE, FCC, RoHS, MIL-810 H, GMS



## Accessories

### Iris Binocular Goggles

- Rugged clip-on iris scanning attachment
- Ensures optimal eye scanning distance
- Provides protection against unwanted light interference
- Ideal for outdoor ID registration
- Dimensions: 173mm x 85mm x 158mm

