

Illustra | PRO

Illustra Body Worn Camera Application Configuration Guide



Notice

Please read this manual thoroughly and save it for future use before attempting to connect or operate this unit.

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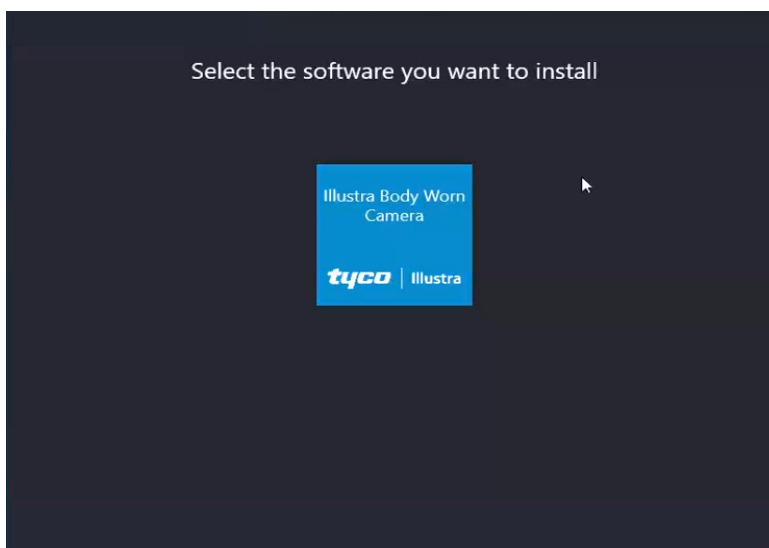
Installing the body worn camera software

To begin, you must install the Illustra body worn camera software onto your computer.

Procedure 1 Installing the body worn camera software on your computer

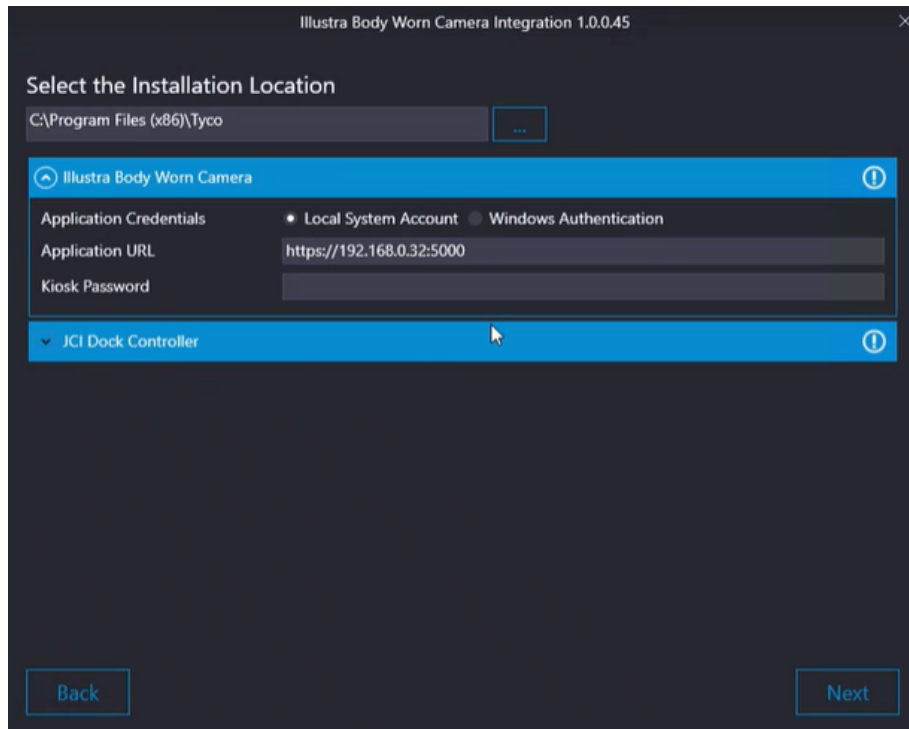
| Step | Action |
|------|---|
| 1 | Download the software at https://illustracameras.com/software-downloads/ and save it to your machine. |
| 2 | Unzip the folder, open it and select the Setup file. |
| 3 | In the Illustra Body Worn Camera Integration pop up window select Illustra Body Worn Camera tile. |

Figure 1 Illustra Body Worn Camera Integration window



- 4 **OPTIONAL:** Select the **Select the Installation Location** icon and navigate to the folder that you want to install the software.

Figure 2 Illustra Body Worn Camera additional settings



- 5 Expand the **Illustra Body Worn Camera** drop down icon and select one of the following application credentials options:

Local System Account (Recommended)

- a Select the **Kiosk Password** text box and enter a password.

Note:The Kiosk Password that you enter here is the password that you use to log into the Kiosk application.

Note:Passwords must be at least 8 characters and contain a combination of uppercase and lowercase letters, numbers or symbols.

OR

Windows Authentication

- a Select the **Username** and **Password** text box and enter a username password.
b Select the **Kiosk Password** text box and enter a password

Note:When selecting Windows Authentication, entered username and password details are used to run windows services installed by the installer.

Note:The Kiosk Password that you enter here is the password that you use to log into the Kiosk application.

Note:Passwords must be at least 8 characters and contain a combination of uppercase and lowercase letters, numbers or symbols.

- 6 Expand the **JCI Dock Controller** drop down icon and select the **Password** text box and enter a password.

Note:The JCI Doc Controller password is required when connecting the Kiosk Application to the Dock Controller.

Note:Passwords must be at least 8 characters and contain a combination of uppercase and lowercase letters, numbers or symbols.

- 7 Select the **Next** button to view the EULA.

- 8 Select **I agree** to begin the installation.

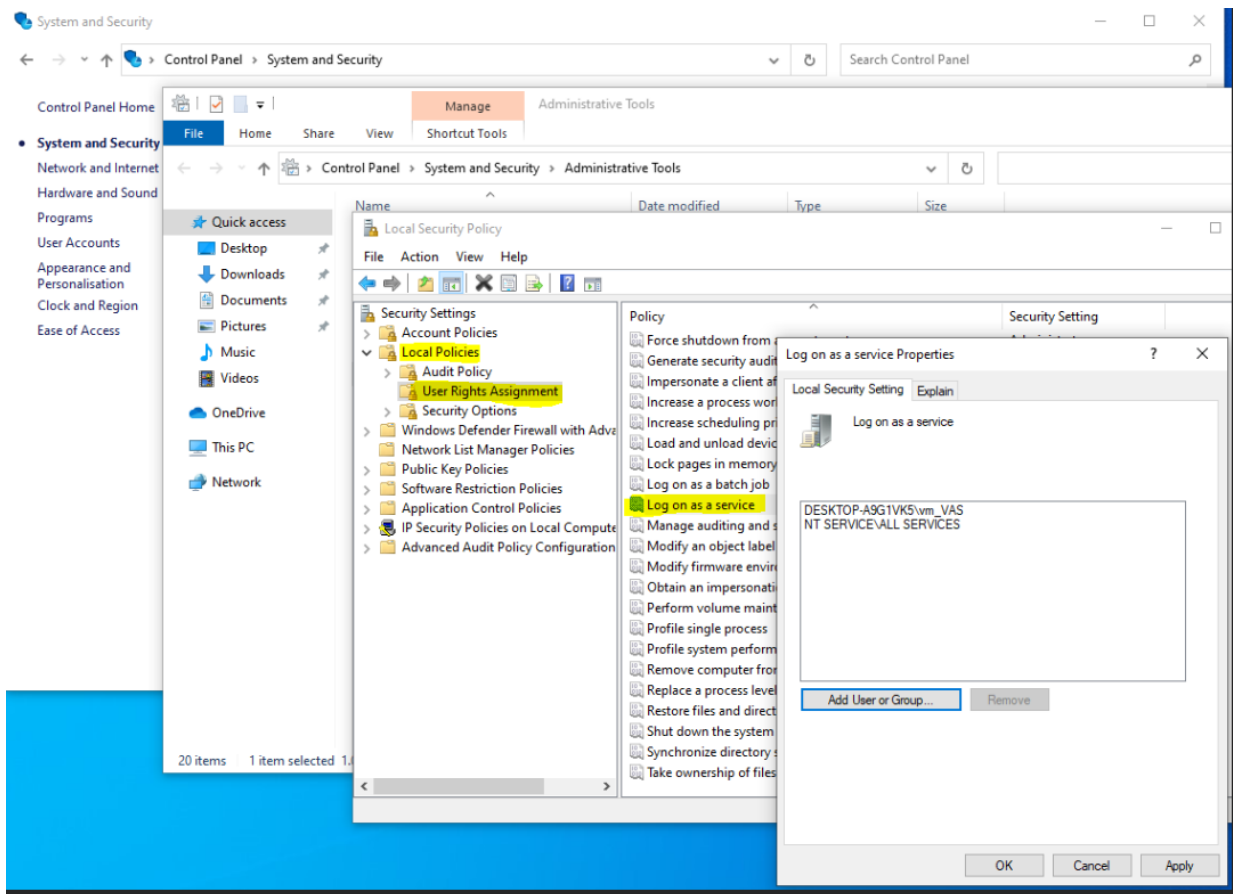
Note:If you see the following error '*The user account requires the 'Log on as a service' privilege in the Local Security Policy administrative tool*' then see steps a to f below.

Note:When the installation is complete you may be asked to reboot your computer. Select the **REBOOT** button in the pop up window to finish the installation.

Note:The steps below are only required when you select **Windows Authentication** in step 5 and get the following error '*The user account requires the 'Log on as a service' privilege in the Local Security Policy administrative tool*'.

- a On your computer open the following: *Control Panel\All Control Panel Items\Administrative Tools\Local Security Policy*
- b Then select *Local Policies\User Rights Assignments\Log on as a service*

Figure 3 Folder location



- c In the pop up window select the **Add User or Group** button.
- d Select the **Enter the object names to select** text box and enter the name of the windows user who will be running the service.
- e Select the **Check Names** button and then **OK**.
- f Select the **Apply** button to apply all changes.
- g Continue on at step 7.

- End -


Body worn camera kiosk application

You can configure the body-worn camera through the JCI kiosk application. To access the Kiosk application you must enter the IP address of your computer into a web browser. Include after the IP address the following ':5000'. For example 'https://IPAddress:5000'

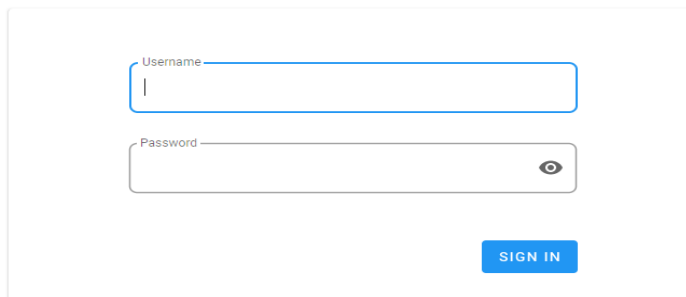
Procedure 2 Logging into the kiosk application

| Step | Action |
|------|---|
| 1 | Enter the IP address of your computer into a web browser. After the IP address add the following ' :5000 ' (example 'https://IPAddress:5000') and then select enter on your computer to view the Kiosk application log-in screen. |
| 2 | Select the Username and Password text boxes and enter the correct username and password. See Figure 1. |

Figure 4 Log in screen

 Bodycam Kiosk

Welcome, please sign in



The screenshot shows a login interface with the following elements:

- A "Username" text input field with a blue border and a cursor.
- A "Password" text input field with a blue border, a grey eye icon for toggling visibility, and a grey eye icon for toggling visibility.
- A blue "SIGN IN" button located below the password field.

Note: The default username is 'admin'. Enter the Kiosk password used during installation.

- 3 Select the **SIGN IN** button to log into the Kiosk application.

The following headings and information is now visible by default:

- **Available:** This identifies cameras in the available state that are at least 90% charged and have finished syncing all data. The camera must be connected to the computer via a USB cable or docking station to be listed as available. The name of the camera and charge percentage is also visible. You can assign a camera a profile and edit the profile settings. You can check out a camera by selecting CHECK-OUT.
- **Checked Out:** This identifies the number of cameras that have been removed from the camera docking station and currently is use. There

are two types of removed cameras, ones with a wearer assigned and ones which are unassigned.

- **Not Ready:** This identifies the number of cameras that are currently charging (less than 90% charged) and in the camera docking station or directly connected via a USB cable. And all recorded data is syncing with your computer.

OPTIONAL: You can view one or all three of the headings and information in step 3.

- a Select the drop-down list located toward the top right corner of the screen and then select one of the following options available.

- End -

Procedure 3 Logging out of the kiosk application

| Step | Action |
|------|--------|
|------|--------|

- | | |
|---|--|
| 1 | Select the  icon and then select Log out to return to the log-in screen. |
|---|--|

- End -

Users

You can add new users who can only check in and out cameras, or users who can have ownership of the kiosk application. You can also edit user information and delete a user.

Procedure 4 Adding a new user


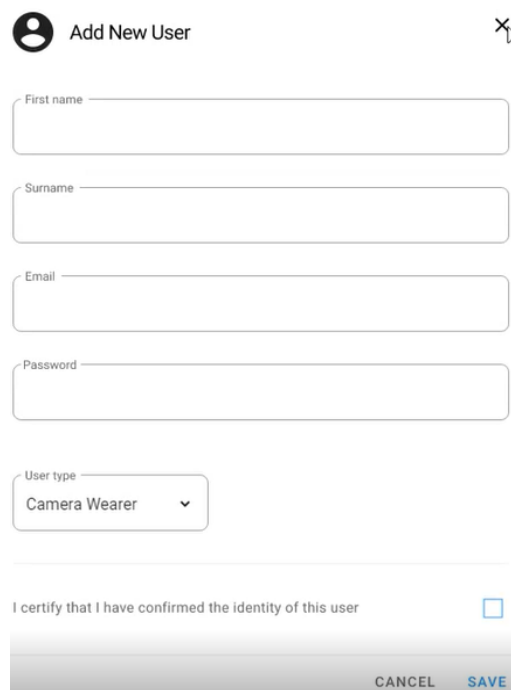
| Step | Action |
|------|--|
| 1 | Log in to the Kiosk application. |
| 2 | Select the  icon and then select Users . |
| 3 | Select ADD NEW USER to view the Add New User window. |

Figure 5 Add New User window



- 4 Select the **First name** text box and enter a name.
- 5 Select the **Surname** text box and enter a surname.
- 6 Select the **Email** text box and enter an e-mail..

Note: This is the unique identifier for this user. This is what is used to log in as this user and to assign this user a camera.



- 7 Select the **Password** text box and enter a password.
- 8 Select the **User type** drop-down menu and select one of the following options:
 - **Camera Wearer:** A camera wearer can only check in and check out cameras.
 - **Kiosk Admin:** Administrative users.

- 9 Select the **I certify that I have confirmed the identify of this user** check box and then select **SAVE** to add the new user.

- End -

Procedure 5 Editing an existing user



| Step | Action |
|------|--------|
|------|--------|

- 1 Log in to the Kiosk application.
- 2 Select the  icon and then select **Users**.
A list of all existing users is now visible with the following information:
- **Name:** Name of the user
 - **User Type:** Camera wearer or Kiosk Admin
 - **username:** e-mail address
- 3 Select the  icon for the user that you want to edit.
- 4 Select the **First name** text box and enter a name.
- 5 Select the **Surname** text box and enter a surname.
- 6 Select the **Password** text box and enter a password.
- 7 Select the **User type** drop-down menu and select on of the following options:
- **Camera Wearer:**A camera wearer can only check in and check out cameras.
 - **Kiosk Admin:** Administrative users.
- 8 Select the **I certify that I have confirmed the identify of this user** check box and then select **SAVE** to save all changes.

- End -

Procedure 6 Deleting an existing user

| Step | Action |
|------|--------|
|------|--------|

- 1 Log in to the Kiosk application.
- 2 Select the  icon and then select **Users**.
A list of all existing users is now visible with the following information:
- **Name**
 - **User Type**
 - **Username**
- 3 Select the  icon for the user that you want to delete.
- 4 Select **DELETE USER** and then select **Confirm Delete**.

- End -

Checking out a camera for use

A 'Camera Wearer' user can only login to the Kiosk application and check out a camera. A 'Kiosk Admin' user has full administrative rights within the Kiosk application. The camera check out process is different for a 'Camera Wearer' user and a 'Kiosk Admin' user. Before using a camera out in the work environment you must first check the camera out from the camera docking station.

Note: Camera check in is done automatically when a camera is connected to the system.

Procedure 7 Checking out a camera as a Kiosk Admin user

The 'Admin User' can assign a camera that can be checked out by a 'camera wearer' user.

| Step | Action |
|------|---|
| 1 | Log in to the Kiosk application. |
| 2 | Select CHECK OUT located in the information box under the Available heading for the camera that you want to assign to a user. |
| 3 | Select the Username text box and enter the e-mail address of the person that will be using the camera. |
| 4 | Select the I certify that I have confirmed the identify of this user check box and then select CHECK OUT . |
| | The camera that is assigned to the user and available for collection is identified with a continuously blinking light in the docking station. |
| | Note: The light on the camera turns on after about 30 seconds and persists until the camera is physically disconnected. |
| | The number of cameras 'available' and 'checked out' automatically update. |

- End -

Procedure 8 Checking out a camera as a camera wearer user


| Step | Action |
|------|---|
| 1 | Log in to the Kiosk application. |
| 2 | Select the ASSIGN ME A CAMERA button. |
| | The camera that is assigned to the user and available for collection is identified on screen and with a continuously blinking light in the docking station. |
| | Note: The light on the camera turns on after about 30 seconds and persists until the camera is physically disconnected. |

- End -

Firmware update

The camera must be inserted into the camera docking station before you start the firmware update. When firmware is updated then that firmware is automatically applied to all cameras that are inserted into the camera docking station.

Procedure 9 Updating the camera firmware

| Step | Action |
|------|---|
| 1 | Log in to the Kiosk application. |
| 2 | Select the  icon and then select Update firmware . |
| 3 | In the Update Firmware pop up window, select BROWSE FILE and navigate to the firmware .apk file. <hr/> Note: The firmware file is located in the following location on your computer <i>C:\Program Files (x86)\Tyco\DockController\APK</i> <hr/> |
| 4 | Select the UPDATE button to update the camera firmware. <hr/> Note: When one cameras firmware is updated then that firmware is automatically applied to all cameras that are inserted into the camera docking station. <hr/> |


- End -

Configuring the camera settings

You can view the following overview information, profile, name, password, battery percentage, status and the current camera user. You can create or edit the following basic settings, video, WiFi, server and APN (Access Point Name). You can create or edit the following advanced settings, Recording, Sound and Lights, and Location.

Procedure 10 Viewing camera overview information

You can view the cameras configuration profile, name, password, battery percentage, status and current user.

| Step | Action |
|------|---|
| 1 | Log into the kiosk application. |
| 2 | Select the  icon for any camera located under the Available heading. |
| 3 | Select Overview in the menu list to view the following camera information: <ul style="list-style-type: none"> • Configuration Profile • Device Name • Camera Password (Select this text box to edit the password). • Battery • Status • User |
| 4 | Select CANCEL to close the Overview information. |


- End -

Camera profile settings


You can create a camera profile and add a profile name. You can then edit the following 'Basic' settings, Video, Wi-Fi, Server and APN (Access Point Name).

You also edit the following 'Advanced' settings, Recording, Sound and Lights, and Location.



Procedure 11 Creating a camera profile

| Step | Action |
|---|--|
| 1 | Log into the kiosk application. |
| 2 | Select the  icon for any camera located under the Available heading. |
| 3 | Select the Camera Password and enter the camera password. |
| <hr/> Note: This is the password that is required when adding a camera to the Illustra Mobile Video Manager. <hr/> | |
| 4 | Select + NEW PROFILE and then select the Profile Name text box and enter a profile name. |
| 5 | Select SAVE to save the camera profile. |
| <hr/> - End - <hr/> | |

Procedure 12 Assigning a profile to a camera

| Step | Action |
|----------------------------|---|
| 1 | Log into the kiosk application. |
| 2 | Select the  icon for the camera that you want to assign a profile to under the Available heading. |
| 3 | Select Overview in the menu list and then select the Configuration profile drop-down icon and select a profile. |
| 4 | Select SAVE to assign the profile to the camera. |
| <hr/> - End - <hr/> | |

Procedure 13 Editing a camera profile

| Step | Action |
|---|--|
| 1 | Log into the kiosk application. |
| 2 | Select the  icon and then select Configure Profile . |
| 3 | Select the  icon beside a profile and then select Edit . |
| 4 | Select the Camera Password and enter the camera password. |
| <hr/> Note: This is the password that is required when adding a camera to the Illustra Mobile Video Manager. <hr/> | |
| 5 | Select the Configuration profile drop-down list and then select a profile name. |

- 6 Select **Basic Settings** in the menu list.
- 7 Under the **Video** heading:
 - a Select the **Resolution** drop-down list and select an option.
 - b Select the **Maximum FPS** drop-down list and select an option.
 - c Select the **Aspect ratio** drop-down list and select an option.
- 8 Under the **WiFi** heading:
 - a Select the **Enable WiFi** slide button to enable or disable WiFi.
 - b Select the **SSID** text box and enter the name of the WiFi network.
 - c Select the **Password** text box and enter the WiFi network password.
- 9 Under the **Server** heading:
 - a Select the **Server address** text box and enter the server IP address.
 - b Select the **Allow secure connections** slide button to enable or disable a secure connection.
 - c Select the **Use device name as encoder name** slide button to enable or disable a device name.

Note: This enables the camera to connect to the Illustra Mobile Video Manager server for live streaming.

- 10 Under the **APN** heading:
 - a Select the **Apply custom APN settings** slide button to enable or disable APN settings.
 - b Select the **APN** text box and enter the name of the APN.
 - c Select the **Name** text box and enter the name of the APN.
 - d Select the **Username** text box and enter APN username.
 - e Select the **Password** text box and enter APN password.

Note: APN (Access Point Network) enables the camera to work with a sim card.

- 11 Select **Advanced** in the menu list.
- 12 Under the **Recording** heading:
 - a Select the **Enable recording on start-up** slide button to enable recording when the camera is removed from the camera docking station.
 - b Select the **Record while streaming** slide button to enable or disable recording when streaming through the Illustra Mobile Video Manager to victor.
 - c Select the **Recording mode** drop-down list and select one of the following options:
 - Stop when disk is full:** Recording stops when the SD card is full.
 - Overwrite oldest:** Recording continues and the oldest recording deletes.
 - d Select the **Disk alarm threshold** drop-down list and select an option.

For example, when you select 75 in the drop-down list then an alarm goes off on the camera when the camera storage is 75% full.

- e Select the **Enable audio for pre-recording** slide button to enable or disable audio pre recording.

- f Select the **Enable audio for post recording** slide button to enable or disable audio post recording.
- g Select the **Pre-recording duration** drop-down list and select an option.

Note: By default the camera is recording when you select the record button and pre / post recording is not enabled.

- h Select the **Post-recording duration** drop-down list and select an option.

Note: By default the camera is recording when you select the record button and pre / post recording is not enabled.

- i Select the **Allow secure connections** slide button to enable or disable a secure connection.

13 Under the **Sounds and lights** heading:

- a Select the **Enable LEDs** slide button to enable or disable LED's on the camera.
- b Select the **Enable audio for recording** slide button to enable or disable audio when recording.
- c Select the **Enable silent mode on start up** slide button to enable or disable audio when the camera is removed from the camera docking station.

14 Under the **Locations** heading:

- a Select the **Enable locations services** slide button to enable or disable the location of the camera.

15 Select **SAVE** to save the advanced settings.

- End -

Appendix A: Technical Specifications

| General | |
|---|---|
| Display | 2.0 inch IPS touch screen (360x480) |
| Memory | 64GB |
| Microphone | Dual microphones with noise reduction |
| USB | USB-C. For connection to an external camera. Can also be used for charging |
| Button Functions | 3 fully configurable buttons |
| Feedback | Status LEDs, sounds and vibration |
| Photo | |
| White Balance | Auto |
| Sensor | 1/3" progressive scan RGB CMOS |
| Low Light Capability | 1.0 Lux Infra-red night vision Visible distance: 33 feet (10 metres) Facial features identifiable: 16 feet (5 metres) |
| Field of View | 120° |
| Wireless Transmission | |
| 2G/3G/4G Network Bands (Rest of World Variant) | 4G LTE: B1, B3, B5, B7, B8, B20, B28A, B28B, B38, B39, B40, B41 3G UMTS: B1, B8 2G GSM: 850, 900, 1800, 1900 |
| 2G/3G/4G Network Bands (North America variant) | 4G LTE: B2, B4, B5, B7, B12, B13, B14, B17, B38, B39, B40, B41 3G UMTS: B2, B4, B5 2G GSM: 850, 900, 1800, 1900 |
| SIM Card | 1 x Nano SIM |
| WiFi | Wi-Fi, 802.11b/g/n/ac, 2.4GHz/5GHz bands. Security: WPA2-PSK |
| GPS Position | GPS, GALILEO & GLONASS |
| Bluetooth | Bluetooth LE 5.0. Allows supported external sensors to be used to activate recording |

| Video | |
|-------------------------------|--|
| Video Recording Time | Up to 12 hours** |
| Image Resolution | 1080p up to 30 frames per second |
| Video Streaming | Up to 1080p over mobile network or WiFi. Integrated Illustra Mobile Video Manager video transmission with end-to-end AES-256 bit encryption* |
| Video Record | 480p, 720p or 1080p |
| Pre/Post-Record | Up to 2 minutes |
| Video Format | Secure recording format with built-in AES-256 encryption and fragile water-marking |
| OSD Language | English |
| Mechanical | |
| Charging Method | Wire-free docking (docking station required). Or charging with USB-C DC 5V. Fast charging in 3 hours |
| Operating Temperature | -4°F to +122°F (-20°C to +50°C) |
| Charging Temperature | 32°F to 77°F (0°C to +25°C) |
| Weight | 0.44lb (200g) |
| Dimensions (L x W x H) | 100 x 65 x 25mm |
| Operation | |
| Battery | 4400mAh Lithium polymer battery (4.35V), replaceable |
| Ingress Protection | IP67 + MIL-STD-810G |
| Drop Test | 6.5 feet (2 metres) |

Note:** Recording duration is based on good battery health, temperature and without live streaming. If pre-recording is enabled then the camera is effectively recording continuously. If not recording, pre-recording or streaming then the battery duration is likely to be > 24 hours.