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Patents

See www.patents.datalogic.com for patent list.

Falcon X4 - 2D Imager

This product is covered by one or more of the following patents:
Design patents: AU329643, EP001180673, EP002421560, USD622726, USD737822, USD779491, ZL200930383849.1, ZL201430286638.7
Utility patents: EP0999514B1, EP0996284B1, EP1128315B1, EP1172756B1, EP1396811B1, EP1413971B1, EP1804089B1, EP2315156B1, EP2517148B1, EP2649555B1, IT1396943, JP4435343B2, JP5192390B2, US6412698, US6415978, US6512218, US6808114, US6877664, US6997385, US7053954, US7234641, US7387246, US8113430, US8888003, US8915443, ZL200680050007.8, ZL200980163411.X.

Falcon X4 - 1D Imager

This product is covered by one or more of the following patents:
Design patents: AU329643, EP001180673, EP002696088, USD622726, ZL200930383849.1, ZL201530439997.6
Utility patents: EP1128315B1, EP1396811B1, EP1413971B1, EP1797521B1, EP2517148B1, EP2649555B1, IT1396943, US6098883, US6412698, US6415978, US6808114, US6997385, US7387246, US7506816, US8888003, US8915443, ZL200980163411.X.

Cleaning The Device

Periodically clean the Falcon X4 device using a soft cloth slightly dampened with only water or Isopropyl Alcohol (70%). Do not use any other cleaning agents (e.g. different alcohol, abrasive or corrosive products, solvents) or abrasive pads to clean the device.

Waste Electrical and Electronic Equipment (WEEE)



Information for the User
At the end of its useful life, the product marked with the crossed out wheeled wastebin must be disposed of separately from urban waste. For more detailed information about disposal, contact the supplier that provided you with the product in question or consult the dedicated section at the website <http://www.datalogic.com>.

Informazione per gli utenti
L'apparecchiatura che riporta il simbolo del bidone barrato deve essere smaltita, alla fine della sua vita utile, separatamente dai rifiuti urbani. Per maggiori dettagli sulle modalità di smaltimento, contattare il Fornitore dal quale è stata acquistata l'apparecchiatura o consultare la sezione dedicata sul sito <http://www.datalogic.com>.

Information aux utilisateurs
Au terme de sa vie utile, le produit qui porte le symbole d'un caisson à ordures barré ne doit pas être éliminé avec les déchets urbains. Pour obtenir des informations complémentaires concernant l'élimination, veuillez contacter le fournisseur auprès duquel vous avez acheté le produit ou consulter la section consacrée au site web <http://www.datalogic.com>.

Benutzerinformation bezüglich
Am Ende des Gerätelebenszyklus darf das Produkt nicht über den städtischen Hausmüll entsorgt werden. Eine entsprechende Mülltrennung ist erforderlich. Weitere Informationen zu dieser Richtlinie erhalten sie von ihrem Lieferanten über den sie das Produkt erworben haben, oder besuchen sie unsere Homepage unter <http://www.datalogic.com>.

Información para el usuario
Al final de su vida útil, el producto marcado con un símbolo de contenedor de basura móvil tachado no debe eliminarse junto a los desechos urbanos. Para obtener una información más detallada sobre la eliminación, por favor, póngase en contacto con el proveedor donde lo compró o consultar la sección dedicada en el Web site <http://www.datalogic.com>.



Rugged Mobile Computer with 1D/2D Imager



Safety & Regulatory Addendum



This document is an addendum to the Quick Start Guide (QSG) for this product. See the QSG for additional product information.

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www.datalogic.com



Read carefully the Falcon X4 user manual (available at www.datalogic.com) before performing any type of connection to the Falcon X4. The user is responsible for any damage caused by incorrect use of the equipment or by inobservance of the indication supplied in the user manual.

General Safety Rules



- Before using the devices and the battery packs, read this Addendum carefully.
- Use only the components and accessories supplied by the manufacturer for the specific Falcon X4 being used.
- Do not attempt to disassemble the Falcon X4 device, as it does not contain parts that can be repaired by the user. Any tampering will invalidate the warranty.
- When replacing the battery pack or at the end of the operative life of the Falcon X4 device, disposal must be performed in compliance with the laws in force in your jurisdiction.
- Do not submerge the Falcon X4 in liquid products.
- For further information or support, refer to the Datalogic web site: www.datalogic.com.

Power Supply

The device is intended to be supplied by a self-contained rechargeable Lithium Ion battery pack (UL listed LPS/SELV power source) and/or by UL Listed/CSA Certified Power Unit LPS/SELV power source which supplies power directly to the unit via the micro USB connector of the cable. The device could be also used with Certified Accessories (Dock/Cradle). The Dock/Cradle accessories are intended to be supplied by a UL Listed/CSA Certified Power Unit LPS/SELV which supplies power via the power connector of the cable. Any changes or modifications to equipment, not expressly approved by Datalogic could void the user's authority to operate the equipment.

Battery Information



Do not incinerate, disassemble, short terminals, or expose to high temperature. Risk of fire and explosion. Use specified charger only. Risk of explosion if the battery is replaced by an incorrect type. Dispose of batteries as required by local authorities.

By default, the main battery pack is disconnected at the factory to avoid damage due to excessive draining.

The rechargeable battery pack is less than half of full charge when delivered. Charge the battery pack as indicated in the Quick Start Guide or in the User Manual, before using the Falcon X4 terminal.

The battery pack autonomy varies according to many factors, such as the frequency of barcode scanning, RF usage, battery life, storage, environmental conditions, etc. Close to the limits of the working temperature, some battery performance degradation may occur.

The Falcon X4 should be charged at an ambient temperature between 0 - 35° C (32 to 95 °F) to achieve the maximum charging rate.

Never charge the device battery in a closed space where excessive heat can build up.

As a safety precaution, the battery may stop charging to avoid overheating. The Falcon X4 may get warm during charging; this is normal and does not mean a malfunction. Even if the storage temperature range is wider, it is recommended to store the terminal and the batteries at environmental temperature, in order to achieve the longest battery life.



Avoid storing batteries for long periods in a state of full charge or very low charge. We recommend charging the battery pack every two to three months to keep its charge at a moderate level to maximize battery life. Annual replacement of rechargeable battery pack avoids possible risks or abnormalities and ensures maximum performance.



Use only Datalogic approved batteries and accessories for battery charging. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. Il y a risque d'explosion si la batterie est remplacée par une batterie de type incorrect. Mettre au rebut les batteries usagées confor mément aux instructions.

Battery Safety Guidelines



Installing, charging and/or any other action should be done by authorized personnel and following this manual.

The battery pack may get hot, explode, ignite, and/or cause serious injury if exposed to abusive conditions.

If the battery pack is replaced with an improper type, there is risk of explosion.

Do not place the battery pack in or near a fire or other heat source; do not place the battery pack in direct sunlight, or use or store the battery pack inside unventilated areas in hot weather; do not place the battery pack in microwave ovens, in clothes dryers, in high pressure containers, on induction cook surfaces or similar devices. Doing so may cause the battery pack to generate heat, explode or ignite. Using the battery pack in this manner may also result in a loss of performance and a shortened life expectancy.

To power the cradle, use only a Datalogic approved power supply. The use of an alternative power supply will void the product warranty, may cause product damage and may cause heat, an explosion, or fire.

The area in which the units are charged should be clear of debris and combustible materials or chemicals.

Do not use the battery pack of this terminal to power devices other than this device.

Immediately discontinue use of the battery pack if, while using, charging or storing the battery pack, the battery pack emits an unusual smell, feels hot, changes colour or shape, or appears abnormal in any other way.

Do not short-circuit the battery pack contacts connecting the positive terminal and negative terminal. This might happen, for example, when you carry a spare battery pack in your pocket or purse; accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the contacts of the battery pack (these look like metal strips on the battery pack). Short-circuiting the terminals may damage the battery pack or the connecting object.

Do not apply voltages to the battery pack contacts.

Do not pierce the battery pack with nails, strike it with a hammer, step on it or otherwise subject it to strong impacts, pressures, or shocks.

Do not disassemble or modify (i.e. bend, crush or deform) the battery pack. The battery pack contains safety and protection devices, which, if damaged, may cause the battery pack to generate heat, explode or ignite.



In case of leakage of liquid from the battery, avoid contact with liquid the skin or eyes. If the contact occurs, immediately wash the affected area with water and consult a doctor.

Do not solder directly onto the battery pack.

Do not expose the battery pack to liquids.

Avoid any knocks or excessive vibrations. If the device or the battery is dropped, especially on a hard surface, you should take it to the nearest Authorised Repair Centre for inspection before continuing to use it.

If your device stops working for any reason, do not use its battery on other electronic devices without a prior check and approval by an Authorised Repair Centre.

Do not replace the battery pack when the device is turned on.

Do not remove or damage the battery pack's label.

Do not use the battery pack if it is damaged in any part.

Battery pack usage by children should be supervised.

Collect and recycle waste batteries separately from the device in compliance with European Directive 2006/66/EC, 2011/65, 2002/96/EC and subsequent modifications, with US and China regulatory laws and regulations about the environment.

Wireless and Radio Frequencies Warnings



Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the product and may violate laws and regulations.

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals generated by Falcon X4.

Datalogic recommends persons with pacemakers or other medical devices to follow the same recommendations provided by Health Industry Manufacturers Associations for mobile phones.

Persons with pacemakers:

- Should ALWAYS keep this device more than twenty five (25) cm from their pacemaker and/or any other medical device;
- Should not carry this device in a breast pocket;
- Should keep the device at the opposite side of the pacemaker and/or any other medical device;
- Should turn this device OFF or move it immediately AWAY if there is any reason to suspect that interference is taking place.
- Should ALWAYS read pacemaker or any other medical device guides or should consult the manufacturer of the medical device to determine if it is adequately shielded from external RF energy.

In case of doubt concerning the use of wireless devices with an implanted medical device, contact your doctor.

Turn this device OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may use equipment that could be sensitive to external RF energy.

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If a vehicle's wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Turn off the device when in any area with a potentially explosive atmosphere. Observe restrictions and follow closely any laws, regulations, warnings and best practices on the use of radio equipment near fuel storage areas or fuel distribution areas, chemical plants or where any operation involves use of explosive materials.

Do not store or carry flammable liquids, explosive gases or materials with the device or its parts or accessories.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked or shown.

Sparks in such areas could cause an explosion or fire, resulting in injury or even death.

Laser Safety

The following information applies to Laser Aiming System, used on Falcon X4 variants with 2D imager.

The laser light is visible to the human eye and is emitted from the window indicated in the figure below.

LASER LIGHT - DO NOT STARE INTO BEAM

CLASS 2 LASER PRODUCT

MAX OUTPUT RADIATION 1 mW

COMPLIANT WITH EN 60825-1 (2007) and EN 60825-1 (2014)



The artwork below may be only a draft. Please refer to the label attached to the product for information about certification marks.



