

FLIR LEPTON®

Change Notification

Notification Date: 04/26/2017

Affected Parts

Lepton, FLIR Part Numbers: 500-0659-00 and 500-0659-01

Change Type

Functional, deprecated software command

Expected Customer Impact

Impact only to customers who have implemented the AUX temperature sensor reading in Kelvin command (function ID: 0x0210, C-SDK ID: LEP_GetSysAuxTemperatureKelvin()) for utilization in processing external to Lepton.

Detailed Change Description

A software command for reading back an auxiliary temperature sensor on Lepton in units of Kelvin will no longer be supported. The software command will still exist and return a value, but the value will no longer be calibrated to provide a meaningful temperature. The auxiliary temperature sensor (AUX) involved in this change is separate from the temperature sensor on the focal plane array (FPA) which will continue to be calibrated and provide the Lepton camera operating temperature.

The command will continue to be supported on Lepton with Radiometry (500-0763-01) and Lepton 3 (500-0726-01) products. For Lepton only (500-0659-XX), the following software command, excerpt from the Lepton Software IDD 110-0144-04, will become deprecated:

Information on this page is subject to change without notice.
Lepton Change Notification



The World's Sixth Sense™

FLIR LEPTON®

Change Notification

4.4.16 SYS AUX Temperature Kelvin

This command returns the Lepton Camera's AUX Temperature in Kelvin.

Minimum Value	Maximum Value	Units	Scale factor
0	16383	Kelvin	100

SDK Module ID: SYS **0x0200**

SDK Command ID: Base **0x10**
 With Get **0x10**

SDK Data Length: Get **1** size of the `LEP_SYS_AUX_TEMPERATURE_KELVIN_T` data type

Compatibility	C-SDK Commands	Description
All Lepton Configurations	<code>LEP_GetSysAuxTemperatureKelvin()</code>	Returns the Lepton Camera's AUX Temperature in Kelvin

C SDK Interface:

```
LEP_RESULT LEP_GetSysAuxTemperatureKelvin(LEP_CAMERA_PORT_DESC_T_PTR portDescPtr,
                                           LEP_SYS_AUX_TEMPERATURE_KELVIN_T_PTR auxTemperaturePtr);

typedef LEP_UINT16 LEP_SYS_AUX_TEMPERATURE_KELVIN_T, *LEP_SYS_AUX_TEMPERATURE_KELVIN_T_PTR;
```

Information on this page is subject to change without notice.
 Lepton Change Notification



The World's Sixth Sense™

FLIR LEPTON®

Change Notification

© FLIR Commercial Systems, 2014. All rights reserved worldwide. No parts of this manual, in whole or in part, may be copied, photocopied, translated, or transmitted to any electronic medium or machine readable form without the prior written permission of FLIR Commercial Systems

Names and marks appearing on the products herein are either registered trademarks or trademarks of FLIR Commercial Systems and/or its subsidiaries. All other trademarks, trade names, or company names referenced herein are used for identification only and are the property of their respective owners.

This product is protected by patents, design patents, patents pending, or design patents pending.

If you have questions that are not covered in this manual, or need service, contact FLIR Commercial Systems Customer Support at 805.964.9797 for additional information prior to returning a camera.

This documentation is subject to change without notice.



This equipment must be disposed of as electronic waste. Contact your nearest FLIR Commercial Systems, Inc. representative for instructions on how to return the product to FLIR for proper disposal.

FCC Notice. This device is a subassembly designed for incorporation into other products in order to provide an infrared camera function. It is not an end-product fit for consumer use. When incorporated into a host device, the end-product will generate, use, and radiate radio frequency energy that may cause radio interference. As such, the end-product incorporating this subassembly must be tested and approved under the rules of the Federal Communications Commission (FCC) before the end-product may be offered for sale or lease, advertised, imported, sold, or leased in the United States. The FCC regulations are designed to provide reasonable protection against interference to radio communications. See 47 C.F.R. §§ 2.803 and 15.1 et seq.

Industry Canada Notice. This device is a subassembly designed for incorporation into other products in order to provide an infrared camera function. It is not an end-product fit for consumer use. When incorporated into a host device, the end-product will generate, use, and radiate radio frequency energy that may cause radio interference. As such, the end-product incorporating this subassembly must be tested for compliance with the Interference-Causing Equipment Standard, Digital Apparatus, ICES-003, of Industry Canada before the product incorporating this device may be: manufactured or offered for sale or lease, imported, distributed, sold, or leased in Canada.

Avis d'Industrie Canada. Cet appareil est un sous-ensemble conçu pour être intégré à un autre produit afin de fournir une fonction de caméra infrarouge. Ce n'est pas un produit final destiné aux consommateurs. Une fois intégré à un dispositif hôte, le produit final va générer, utiliser et émettre de l'énergie radiofréquence qui pourrait provoquer de l'interférence radio. En tant que tel, le produit final intégrant ce sous-ensemble doit être testé pour en vérifier la conformité avec la Norme sur le matériel brouilleur pour les appareils numériques (NMB-003) d'Industrie Canada avant que le produit intégrant ce dispositif puisse être fabriqué, mis en vente ou en location, importé, distribué, vendu ou loué au Canada.

EU Notice. This device is a subassembly or component intended only for product evaluation, development or incorporation into other products in order to provide an infrared camera function. It is not a finished end-product fit for general consumer use. Persons handling this device must have appropriate electronics training and observe good engineering practice standards. As such, this product does not fall within the scope of the European Union (EU) directives regarding electromagnetic compatibility (EMC). Any end-product intended for general consumer use that incorporates this device must be tested in accordance and comply with all applicable EU EMC and other relevant directives.

Information on this page is subject to change without notice.
Lepton Change Notification



The World's Sixth Sense™