



## VIVOTEK Product Security Advisory

**Advisory ID:** VVTK-SA-2018-005

**CVE ID:** CVE-2018-5391

**First Published:** September 4, 2018

**Last Update:** September 4, 2018

**Status:** Acknowledged

**Revision:** 1

### Overview:

The Linux kernel, versions 3.9+, IP implementation is vulnerable to denial of service conditions with low rates of specially modified packets. For more information please check following URL.

<https://www.kb.cert.org/vuls/id/641765>

### Affected Products:

Network Camera:

Please check Appendix 1.

NVR:

ND Series: ND9541, ND9441, ND9541P, ND9441P, NV9411P, NV9311P, ND8212W, ND8312, RX9401, ND9322P, ND9424P.

NR Series: Not affected.

### Workarounds:

1. Putting device into restricted intranet.
2. Considering drop IP fragmentation packet on your backbone network security equipment, such as firewall or IPS (Intrusion Prevention System).

### Solution:

Upgrade firmware.

### Revision History:

Revision 1 / September 4, 2018 / Initial release

## Appendix 1

### Affected Network Camera List

FD8177-H	IB9391-EHT	CC8370-HV	FD836BA-EHVF2	IB836B-HF3
FD8177-HT	IP9165-HP	CC8371-HV	FD836BA-HTV	IB836B-HT
FD8179-H	IP9165-HT	CD8371-HNTV	FD836BA-HVF2	IB8382-EF3
FD8377-EHTV	IP9165-LPC	CD8371-HNVF2	FD836B-EHTV	IB8382-ET
FD8377-HTV	IP9191-HP	FD8166A	FD836B-EHVF2	IB8382-F3
FD8377-HV	IP9191-HT	FD8166A-N	FD836B-HTV	IB8382-T
FD8379-HV	MS9390-HV	FD8167A	FD836B-HVF2	IP8166
IB8377-EHT	FD9167-H	FD8169A	FD8382-ETV	MD8563-DEH
IB8377-H	FD9167-HT	FD816BA-HF2	FD8382-EVF2	MD8563-EHF2
IB8377-HT	FD9367-EHTV	FD816BA-HT	FD8382-TV	MD8563-EHF4
IB8379-H	FD9367-HTV	FD816B-HF2	FD8382-VF2	MD8563-HF2
IB8379-H	FD9367-HV	FD816B-HT	FE8182	MD8563-HF4
FD9165-HT	FD9367-HVNR	FD816CA-HF2	IB8367A	MD8564-EH
FD9365-EHTV	IB9367-EH	FD816C-HF2	IB8369A	MD8565-N
FD9365-HTV	IB9367-EHT	FD8182-F2	IB836BA-EHF3	VC8101
FD9391-EHTV	IB9367-H	FD8182-T	IB836BA-EHT	VS8100-v2
FE9191	IB9367-HT	FD8366-V	IB836BA-HF3	IB8360
FE9391-EV	IP9167-HP	FD8367A-V	IB836BA-HT	IB8360-W
IB9365-EHT	IP9167-HT	FD8369A-V	IB836B-EHF3	IP8160
IB9365-HT	CC8160	FD836BA-EHTV	IB836B-EHT	IP8160-W