



VIVOTEK Product Security Advisory

Advisory ID: VVTK-SA-2018-005

CVE ID: CVE-2018-5391

First Published: September 4, 2018

Last Update: September 4, 2019

Status: Fixed

Revision: 2

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:

Network Camera:

Please upgrade firmware to XXXXXX-VVTK-0X20a_SA2019002 or above.

NVR:

ND Series:

ND9541, ND9441, ND9541P, ND9441P.

Please upgrade firmware to 2.4.0.104 or above.

NV9411P, NV9311P.

Please upgrade firmware to 2.5.0.101 or above.

ND8212W, ND8312, RX9401.

Please upgrade firmware to 2.3.1.101 or above.

ND9322P, ND9424P.

Please upgrade firmware to 2.6.0.3 or above.

NR Series: Not affected.

Revision History:

Revision 1 / September 4, 2018 / Initial release

Revision 2 / September 4, 2019 / Fixed firmware 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