

Cyber Security Advisory

Advisory ID: vvtk-sa-20170623-01

CVE ID: [CVE-2017-9828](#)

First Published: August 02, 2017

Last Update: November 10, 2017

Status: Fixed

Overview:

'/cgi-bin/admin/testserver.cgi' of the web service is vulnerable to shell command injection. This vulnerability is based on the premise that the attacker must have the administrator privilege. An attacker who has successfully exploited this vulnerability could execute arbitrary shell commands as a root/administrator user on the camera.

The vulnerability exists because the affected CGI does not sufficiently sanitize commands before inserting them into Linux shell commands.

The risk is low when the password is difficult to crack. It is highly recommended to configure a strong password for root and all administrator accounts.

Affected Products:

All VIVOTEK cameras.

Mitigation:

Make sure you have strong passwords for root and all administrator accounts.

Solution:

VIVOTEK has rolled out camera firmware* in July 2017 with testserver.cgi that scrubs all input for malicious characters.

* Please refer to the model list below for firmware update.

Camera Models for Firmware Update:

CC8370-HV

CC8371-HV

CD8371-HNTV

CD8371-HNVF2

FD8166A

FD8166A-N

FD8167A

FD8167A-S

FD8169A

FD8169A-S

FD816BA-HF2

FD816BA-HT

FD816CA-HF2

FD8177-H

FD8179-H

FD8182-F2

FD8182-T

FD8366-V

FD8367A-V

FD8369A-V

FD836BA-EHTV

FD836BA-EHVF2

FD836BA-HTV

FD836BA-HVF2

FD8377-HV

FD8379-HV

FD8382-ETV

FD8382-EVF2

FD8382-TV

FD8382-VF2

FD9171-HT

FD9181-HT

FD9371-EHTV

FD9371-HTV

FD9381-EHTV

FD9381-HTV

FE8182

FE9181-H

FE9182-H

FE9191

FE9381-EHV

FE9382-EHV

FE9391-EV

IB8360-W

IB8367A

IB8369A

IB836BA-EHF3

IB836BA-EHT

IB836BA-HF3

IB836BA-HT

IB8377-H

IB8379-H

IB8382-EF3

IB8382-ET

IB8382-F3

IB8382-T

IB9371-EHT

IB9371-HT

IB9381-EHT

IB9381-HT

IP8166

IP9171-HP

IP9181-H

IZ9361-EH

MD8563-EHF2

MD8563-EHF4

MD8563-HF2

MD8563-HF4

MD8564-EH

MD8565-N

SD9161-H

SD9361-EHL

SD9362-EH



SD9362-EHL

SD9363-EHL

SD9364-EH

SD9364-EHL

SD9365-EHL

SD9366-EH

SD9366-EHL

VC8101

VS8100-v2