



SuperSonic Imagine Security Bulletin	DOCUMENT # * RD.REC.086	Rev. A
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DICOM Standard in Medical Devices Vulnerability

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CVSS v3.0:

- Base Score: 7.8 HIGH
- Vector: AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
- Impact Score: 5.9
- Exploitability Score: 1.8

Description

On June 11, 2019, a cybersecurity vulnerability regarding DICOM standard has been announced. This vulnerability identified as [CVE-2019-11687](#) could allow an attacker with physical access to a medical device to upload a maliciously-crafted DICOM file to perform unauthorized actions that may aid in launching further attacks.

The attack exploits DICOM Part 10 file preamble, which means that DICOM objects exchanged using C-Store DIMSE service are not impacted. The only way to propagate this threat is to exchange DICOM files on DICOM Media (CD/DVD, USB).

Product Status

SuperSonic medical devices do not access or execute DICOM preamble. To date, no cyber-attack, data breach, or patient harm involving a SuperSonic Imagine product has been associated with this vulnerability.

Additional Information:

SuperSonic Imagine recommends the following cyber Hygiene practices:

- Ensure that your equipment is in a physically protected and actively monitored area
- Ensure that only secure/sanitized USB storage devices are utilized
- Ensure that your equipment is protected against network access by unsupervised systems (typically provided by mechanisms such as firewalls and VPNs).
- Ensure your data has been backed up and stored according to your institution policy

ICS Alert (ICS-ALERT-19-162-01) is [available here](#).

For further information on product's security please visit our product security page:

<https://supersonicimagine.com/security>

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