



saitoha libsixel img2sixel encoder.c sixel_debug_print_palette stack-based overflow

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2025-9300
State	PUBLISHED
Assigner	VulDB
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-08-21 13:15:37 UTC
Updated	2026-04-29 01:00:01 UTC
Description	A vulnerability was found in saitoaha libsixel up to 1.10.3. Affected by this issue is the function sixel_debug_print_palette of t

Risk And Classification

Primary CVSS: v4.0 1.9 LOW from cna@vulldb.com

CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.000400000 probability, percentile 0.122030000 (date 2026-04-26)

Problem Types: CWE-119 | CWE-121 | CWE-787 | CWE-121 Stack-based Buffer Overflow | CWE-119 Memory Corruption

Version	Source	Type	Score	Severity	Vector
4.0	cna@vulldb.com	Secondary	1.9	LOW	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/C...
4.0	CNA	DECLARED	4.8	MEDIUM	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P
3.1	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
3.1	cna@vulldb.com	Secondary	5.3	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:L/A:L
3.1	CNA	DECLARED	5.3	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:L/A:L/E:P/RL:O/RC:C
3.0	CNA	DECLARED	5.3	MEDIUM	CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:L/A:L/E:P/RL:O/RC:C
2.0	cna@vulldb.com	Secondary	4.3		AV:L/AC:L/Au:S/C:P/I:P/A:P
2.0	CNA	DECLARED	4.3		AV:L/AC:L/Au:S/C:P/I:P/A:P/E:POC/RL:OF/RC:C

CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

None

Privileges Required

Low

User Interaction

None

Confidentiality

Low

Integrity

Low

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

Low

CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:L/A:L/E:P/RL:O/RC:C

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Saitoha	Libsixel	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Saitoha	Libsixel	affected 1.10.0	Not specified
CNA	Saitoha	Libsixel	affected 1.10.1	Not specified
CNA	Saitoha	Libsixel	affected 1.10.2	Not specified
CNA	Saitoha	Libsixel	affected 1.10.3	Not specified

References

Reference	Source	Link
vuldb.com	cna@vuldb.com	vuldb.com
github.com/saitoha/libsixel/issues/200	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com
drive.google.com/file/d/1IlvRFgUQZcySqeogXXhsxd0HZCjCIJ7/view	cna@vuldb.com	drive.goog
github.com/saitoha/libsixel/commit/316c086e79d66b62c0c4bc66229ee894e4fdb7d1	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com
vuldb.com	cna@vuldb.com	vuldb.com
github.com/saitoha/libsixel/issues/200	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com
vuldb.com	134c704f-9b21-4f2e-91b3-4a467353bcc0	vuldb.com

Vendor Comments And Credit

Discovery Credit

CNA: xdcao (VulDB User) (en)

Additional Advisory Data

Source	Time	Event
CNA	2025-08-21T00:00:00.000Z	Advisory disclosed
CNA	2025-08-21T02:00:00.000Z	VulDB entry created
CNA	2025-08-21T07:30:11.000Z	VulDB entry last update

There are currently no legacy QID mappings associated with this CVE.

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