



# Milesight Cameras Authorization Bypass Through User-Controlled Key

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

## Summary

<b>CVE</b>	CVE-2026-28747
<b>State</b>	PUBLISHED
<b>Assigner</b>	icscert
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-27 23:16:02 UTC
<b>Updated</b>	2026-04-28 20:11:56 UTC
<b>Description</b>	A weak key generation vulnerability exists in specific firmware versions of Milesight AIOT cameras allows authorization to b

## Risk And Classification

**Primary CVSS:** v4.0 7.3 HIGH from ics-cert@hq.dhs.gov

CVSS:4.0/AV:A/AC:H/AT:P/PR:N/UI:A/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/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:** 0.000150000 probability, percentile 0.029390000 (date 2026-04-28)

**Problem Types:** CWE-639 | CWE-639 CWE-639

Version	Source	Type	Score	Severity	Vector
4.0	ics-cert@hq.dhs.gov	Secondary	7.3	HIGH	CVSS:4.0/AV:A/AC:H/AT:P/PR:N/UI:A/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X
4.0	CNA	CVSS	7.3	HIGH	CVSS:4.0/AV:A/AC:H/AT:P/PR:N/UI:A/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N
3.1	ics-cert@hq.dhs.gov	Secondary	7.1	HIGH	CVSS:3.1/AV:A/AC:H/PR:N/UI:R/S:U/C:H/I:H/A:H
3.1	CNA	CVSS	7.1	HIGH	CVSS:3.1/AV:A/AC:H/PR:N/UI:R/S:U/C:H/I:H/A:H

## CVSS v4.0 Breakdown

Attack Vector

Adjacent

Attack Complexity

High

Attack Requirements

Present

Privileges Required

None

User Interaction

Active

Confidentiality

High

Integrity

High

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

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

### CVSS v3.1 Breakdown

Attack Vector

Adjacent

Attack Complexity

High

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Milesight	MS-Cxx63-PD	affected 51.7.0.77-r12 custom	Not specified
CNA	Milesight	MS-Cxx64-xPD	affected 51.7.0.77-r12 custom	Not specified
CNA	Milesight	MS-Cxx73-xPD	affected 51.7.0.77-r12 custom	Not specified

CNA	Milesight	MS-Cxx75-xxPD	affected 51.7.0.77-r12 custom	Not specified
CNA	Milesight	MS-Cxx83-xxPD	affected 51.7.0.77-r12 custom	Not specified
CNA	Milesight	MS-Cxx74-PA	affected 3x.8.0.3-r11 custom	Not specified
CNA	Milesight	MS-C8477-HPG1	affected 63.8.0.4-r3 custom	Not specified
CNA	Milesight	MS-C8477-PC	affected 48.8.0.4-r3 custom	Not specified
CNA	Milesight	MS-C5321-FPE	affected 62.8.0.4-r5 custom	Not specified
CNA	Milesight	MS-Cxx72-xxxPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx62-xxxPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx52-xxxPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx66-xxxPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx66-xxxGPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx61-xxxPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx67-xxxPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx71-xxxPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx41-xxxPE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx76-PE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx65-PE	affected 61.8.0.5-r2 custom	Not specified
CNA	Milesight	MS-Cxx66-xxxG1	affected 63.8.0.5-r3 custom	Not specified
CNA	Milesight	MS-Cxx62-xxxG1	affected 63.8.0.5-r3 custom	Not specified
CNA	Milesight	MS-Cxx72-xxxG1	affected 63.8.0.5-r3 custom	Not specified
CNA	Milesight	MS-CQxx31-xxxG1	affected CQ_63.8.0.5-r1 custom	Not specified
CNA	Milesight	MS-CQxx68-xxxG1	affected CQ_63.8.0.5-r1 custom	Not specified
CNA	Milesight	MS-CQxx72-xxxG1	affected CQ_63.8.0.5-r1 custom	Not specified
CNA	Milesight	MS-Nxxxx-NxE	affected 7x.9.0.19-r5 custom	Not specified
CNA	Milesight	MS-Nxxxx-xxC	affected 7x.9.0.19-r5 custom	Not specified
CNA	Milesight	MS-Nxxxx-xxE	affected 7x.9.0.19-r5 custom	Not specified
CNA	Milesight	MS-Nxxxx-xxG	affected 7x.9.0.19-r5 custom	Not specified
CNA	Milesight	MS-Nxxxx-xxH	affected 7x.9.0.19-r5 custom	Not specified
CNA	Milesight	MS-Nxxxx-xxT	affected 7x.9.0.19-r5 custom	Not specified
CNA	Milesight	PMC8266-FPE	affected PO_61.8.0.4_LPR custom	Not specified
CNA	Milesight	PMC8266-FGPE	affected PO_61.8.0.4_LPR custom	Not specified
CNA	Milesight	PM3322-E	affected PI_61.8.0.3_LPR-r3 custom	Not specified
CNA	Milesight	TS4466-X4RIPG1	affected T_63.8.0.4_LPR-r3 custom	Not specified
CNA	Milesight	TS5366-X12RIPG1	affected T_63.8.0.4_LPR-r3 custom	Not specified
CNA	Milesight	TS8266-X4RIPG1	affected T_63.8.0.4_LPR-r3 custom	Not specified

CNA	<a href="#">Milesight</a>	<a href="#">TS4466-X4RIVPG1</a>	affected T_63.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS4466-RFIVPG1</a>	affected T_63.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS8266-X4RIVPG1</a>	affected T_63.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS8266-RFIVPG1</a>	affected T_63.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS4466-X4RIWG1</a>	affected T_63.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS8266-X4RIWG1</a>	affected T_63.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS5510-GVH</a>	affected T_47.8.0.4_LPR-r7 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS5510-GH</a>	affected T_47.8.0.4_LPR-r6 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS5511-GVH</a>	affected T_47.8.0.4_LPR-r6 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2966-X12TPE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS4466-X4RPE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS5366-X12PE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS8266-X4PE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2966-X12TVPE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS4466-X4RVPE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS5366-X12VPE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS8266-X4VPE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS4441-X36RPE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS4441-X36RE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS4466-X4RWE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS8266-X4WE</a>	affected T_61.8.0.4_LPR-r3 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-C2964-RFLPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-C2972-RFLPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-C2966-RFLWPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2866-X4TPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2866-X4TVPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2866-X4TGPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2841-X36TPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2841-X36TPC/W</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2867-X5TPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS2961-X12TPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">TS8266-FPC/P</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-C2966-X12RLPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-C2966-X12RLVPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-C5366-X12LPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-C5366-X12LVPC</a>	affected T_45.8.0.3-r9 custom	Not specified

CNA	<a href="#">Milesight</a>	<a href="#">MS-C5361-X12LPC</a>	affected T_45.8.0.3-r9 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-Cxx66-xxxxGOPC</a>	affected 45.8.0.2-AIoT-r4 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">SC211</a>	affected C_21.1.0.8-r4 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">SP111</a>	affected 52.8.0.4-r5 custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-Cxx66-RFIPKG1</a>	affected 63.8.0.4-r1-NX custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-Cxx72-RFIPKG1</a>	affected 63.8.0.4-r1-NX custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-Cxx66-FIPKG1</a>	affected 63.8.0.4-r1-NX custom	Not specified
CNA	<a href="#">Milesight</a>	<a href="#">MS-Cxx72-FIPKG1</a>	affected 63.8.0.4-r1-NX custom	Not specified

## References

Reference	Source	Link	Tags
<a href="http://www.milesight.com/support/download/firmware">www.milesight.com/support/download/firmware</a>	<a href="mailto:ics-cert@hq.dhs.gov">ics-cert@hq.dhs.gov</a>	<a href="http://www.milesight.com">www.milesight.com</a>	
<a href="http://www.cisa.gov/news-events/ics-advisories/icsa-26-113-03">www.cisa.gov/news-events/ics-advisories/icsa-26-113-03</a>	<a href="mailto:ics-cert@hq.dhs.gov">ics-cert@hq.dhs.gov</a>	<a href="http://www.cisa.gov">www.cisa.gov</a>	
<a href="https://github.com/cisagov/CSAF/blob/develop/csaf_files/OT/white/2026/icsa-26-11...">github.com/cisagov/CSAF/blob/develop/csaf_files/OT/white/2026/icsa-26-11...</a>	<a href="mailto:ics-cert@hq.dhs.gov">ics-cert@hq.dhs.gov</a>	<a href="https://github.com">github.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analy

## Vendor Comments And Credit

### Discovery Credit

**CNA:** Souvik Kandar reported these vulnerabilities to CISA (en)

## Additional Advisory Data

### Solutions

**CNA:** Milesight advises all users to update their device to the latest firmware versions of PE/PC/PA found at <https://www.milesight.com/support/download/firmware>.

<https://www.milesight.com/support/download/firmware> MS-Cxx63-PD: Update to 51.7.0.77-r13  
 MS-Cxx64-xPD: Update to 51.7.0.77-r13 MS-Cxx73-xPD: Update to 51.7.0.77-r13 MS-Cxx75-xxPD: Update to 51.7.0.77-r13 MS-Cxx83-xPD: Update to 51.7.0.77-r13 MS-Cxx74-PA: Update to 3x.8.0.3-r13 MS-C8477-HPG1: Update to 63.8.0.4-r4 MS-C8477-PC: Update to 48.8.0.4-r4 MS-C5321-FPE: Update to 62.8.0.4-r6 MS-Cxx72-xxxPE: Update to 61.8.0.5-r2 MS-Cxx62-xxxPE: Update to 61.8.0.5-r2 MS-Cxx52-xxxPE: Update to 61.8.0.5-r2 MS-Cxx66-xxxPE: Update to 61.8.0.5-r2 MS-Cxx66-xxxGPE: Update to 61.8.0.5-r2 MS-Cxx61-xxxPE: Update to 61.8.0.5-r2 MS-Cxx67-xxxPE: Update to 61.8.0.5-r2 MS-Cxx71-xxxPE: Update to 61.8.0.5-r2 MS-Cxx41-xxxPE: Update to 61.8.0.5-r2 MS-Cxx76-PE: Update to 61.8.0.5-r2 MS-Cxx65-PE: Update to 61.8.0.5-r2 MS-Cxx66-xxxG1: Update to 63.8.0.5-r4 MS-Cxx62-xxxG1: Update to 63.8.0.5-r4 MS-Cxx72-xxxG1: Update to 63.8.0.5-r4 MS-CQxx31-xxxG1: Update to CQ\_63.8.0.5-r2 MS-CQxx68-xxxG1: Update to CQ\_63.8.0.5-r2 MS-CQxx72-xxxG1: Update to CQ\_63.8.0.5-r2 MS-Nxxxx-NxE: Update to 7x.9.0.19-r6 MS-Nxxxx-xxC:

Update to 7x.9.0.19-r6 MS-Nxxxx-xxE: Update to 7x.9.0.19-r6 MS-Nxxxx-xxG: Update to 7x.9.0.19-r6 MS-Nxxxx-xxH: Update to 7x.9.0.19-r6 MS-Nxxxx-xxT: Update to 7x.9.0.19-r6 PMC8266-FPE: Update to PO\_61.8.0.4-r1 PMC8266-FGPE: Update to PO\_61.8.0.4-r1 PM3322-E: Update to PI\_61.8.0.3-r5 TS4466-X4RIPG1: Update to T\_63.8.0.4-r4 TS5366-X12RIPG1: Update to T\_63.8.0.4-r4 TS8266-X4RIPG1: Update to T\_63.8.0.4-r4 TS4466-X4RIVPG1: Update to T\_63.8.0.4-r4 TS4466-RFIVPG1: Update to T\_63.8.0.4-r4 TS8266-X4RIVPG1: Update to T\_63.8.0.4-r4 TS8266-RFIVPG1: Update to T\_63.8.0.4-r4 TS4466-X4RIWG1: Update to T\_63.8.0.4-r4 TS8266-X4RIWG1: Update to T\_63.8.0.4-r4 TS5510-GVH: Update to T\_47.8.0.4-r8 TS5510-GH: Update to T\_47.8.0.4-r8 TS5511-GVH: Update to T\_47.8.0.4-r8 TS2966-X12TPE: Update to T\_61.8.0.4-r4 TS4466-X4RPE: Update to T\_61.8.0.4-r4 TS5366-X12PE: Update to T\_61.8.0.4-r4 TS8266-X4PE: Update to T\_61.8.0.4-r4 TS2966-X12TVPE: Update to T\_61.8.0.4-r4 TS4466-X4RVPE: Update to T\_61.8.0.4-r4 TS5366-X12VPE: Update to T\_61.8.0.4-r4 TS8266-X4VPE: Update to T\_61.8.0.4-r4 TS4441-X36RPE: Update to T\_61.8.0.4-r4 TS4441-X36RE: Update to T\_61.8.0.4-r4 TS4466-X4RWE: Update to T\_61.8.0.4-r4 TS8266-X4WE: Update to T\_61.8.0.4-r4 MS-C2964-RFLPC: Update to T\_45.8.0.3-r10 MS-C2972-RFLPC: Update to T\_45.8.0.3-r10 MS-C2966-RFLWPC: Update to T\_45.8.0.3-r10 TS2866-X4TPC: Update to T\_45.8.0.3-r10 TS2866-X4TVPC: Update to T\_45.8.0.3-r10 TS2866-X4TGPC: Update to T\_45.8.0.3-r10 TS2841-X36TPC: Update to T\_45.8.0.3-r10 TS2841-X36TPC/W: Update to T\_45.8.0.3-r10 TS2867-X5TPC: Update to T\_45.8.0.3-r10 TS2961-X12TPC: Update to T\_45.8.0.3-r10 TS8266-FPC/P: Update to T\_45.8.0.3-r10 MS-C2966-X12RLPC: Update to T\_45.8.0.3-r10 MS-C2966-X12RLVPC: Update to T\_45.8.0.3-r10 MS-C5366-X12LPC: Update to T\_45.8.0.3-r10 MS-C5366-X12LVPC: Update to T\_45.8.0.3-r10 MS-C5361-X12LPC: Update to T\_45.8.0.3-r10 MS-Cxx66-xxxxGOPC: Update to 45.8.0.2-AloT-r5 SC211: Update to C\_21.1.0.8-r5 SP111: Update to 52.8.0.4-r6 MS-Cxx66-RFIPKG1: Update to 63.8.0.5-r2-NX MS-Cxx72-RFIPKG1: Update to 63.8.0.5-r2-NX MS-Cxx66-FIPKG1: Update to 63.8.0.5-r2-NX MS-Cxx72-FIPKG1: Update to 63.8.0.5-r2-NX

**CNA:** Mulesight asks all users to report potential security vulnerabilities to [security@mulesight.com](mailto:security@mulesight.com). <mailto:security@mulesight.com> Learn more: Mulesight Vulnerability Reporting Policy <https://www.mulesight.com/legal/vulnerability-report>

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

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