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Security Advisory — Identity Authentication Bypass Vulnerability Found in Some Dahua Products

SA ID: DHCC-SA-202106-001

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Summary:

The identity authentication bypass vulnerability found in some Dahua products during the login process. Attackers can bypass device identity authentication by constructing malicious data packets.

Common Vulnerabilities and Exposures (CVE ID):

CVE-2021-33044; CVE-2021-33045

Vulnerability Score

The vulnerability classification has been performed by using the CVSSv3 scoring system (<http://www.first.org/cvss/specification-document>).

Base Score: 8.1 (AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H)

Temporal Score: 7.3 (E:P/RL:O/RC:C)

Affected Products & Fix Software :

The following product series and models are currently known to be affected:

Product Line	DNA model	DNA Firmware
NVR	N41B1W	DH_NVR2XXX-W-4KS2_MultiLang_V4.001.0000003.1.R.210709
	N5	DH_NVR5XXX-4KS2_MultiLang_V4.001.0000006.1.R.210709
	N42C N41C	DH_NVR4x-4KS2L_MultiLang_V4.001.0000001.0.R.210709
	NVR6A08	DH_NVR6XX-4KS2_MultiLang_V4.001.0000001.1.R.210716
	N42B N41B	DH_NVR4XXX-4KS2_MultiLang_V4.001.0000005.1.R.210713
	DH-NVR4216-16P-I	DH_NVR4XXX-I_MultiLang_V4.002.0000000.0.R.210811

	DHI-NVR5216-16P-I	DH_NVR5XXX-I_MultiLang_V4.002.0000000.0.R.210727
XVR	X7	DH_XVR5x16-X_MultiLang_V4.001.0000000.9.R.210710
	X54A	DH_XVR7x16-X_MultiLang_V4.001.0000000.9.R.210710
	X51A	DH_XVR5x08-X_MultiLang_V4.001.0000000.9.R.210710
		DH_XVR5x16-X_MultiLang_V4.001.0000000.9.R.210710
	X8	DH_XVR7x32-I2_MultiLang_V4.001.0000003.1.R.210710
		DH_XVR7x16-I2_MultiLang_V4.001.0000003.1.R.210710
		DH_XVR5x16-I2_MultiLang_V4.001.0000003.1.R.210710
		DH_XVR5x08-I2_MultiLang_V4.001.0000003.1.R.210710
	X51C X52B	DH_XVR5x04-I2_MultiLang_V4.001.0000003.1.R.210710
		DH_XVR5x16-I2_MultiLang_V4.001.0000003.1.R.210710
IPC	N45E/N45D/N55D Series	DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3-USA_V2.820.0000000.5.R.210705
	N43A/N53A Series	DH_IPC-HX5(4)(3)XXX-Leo_MultiLang_NP_Stream3-USA_V2.800.0000000.29.R.210630
Thermal	TPC-BF1241, TPC-DF1241	DH_TPC-BF1241-TB_MultiLang_NP_V2.630.0000000.6.R.210707
	TPC-BF2221 Series	DH_TPC-BF2221-TB_MultiLang_NP_V2.630.0000000.10.R.210707
	TPC-BF5x01	DH_TPC-BF5X01-TB_MultiLang_NP_V2.630.0000000.12.R.210707
Intercom	DHI-VTH5422HW	DH_VTH542XH_MultiLang_SIP_V4.500.0000002.0.R.210715
PTZ	22204UENI/22204UENI-W	DH_SD-Eos-Civil_MultiLang_NP_Stream3_V2.812.0000007.0.R.210706
	DH-EPC230U	DH_SD-Eos_MultiLang_NP_Stream3_V2.812.0000007.0.R.210706