DH_XVR8x16-4KL-I_MultiLang_PN_V4.200.0000001.1.R.190605

Release Note

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

Legal Information

Copyright

© 2018 ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD. All rights reserved.

This document cannot be copied, transferred, distributed, or saved in any form without the prior written permission of Zhejiang Dahua Vision Technology Co., LTD (hereinafter referred to as "Dahua").

The products described in this document may contain the software that belongs to Dahua or the third party. Without the prior written approval of the corresponding party, any person cannot (including but not limited to) copy, distribute, amend, abstract, reverse compile, decode, reverse engineer, rent, transfer, sublicense the software.

Trademarks

, , , and HDCVI are the trademarks or registered trademarks of Dahua.

All other company names and trademarks mentioned herein are the properties of their respective owners.

Disclaimer

- This release note is for reference only, and the actual product shall prevail.
- Succeeding products and release notes are subject to change without notice.
- If there is any uncertainty or controversy, please refer to our final explanation.

Table of Contents

Legal Information ..... **I**
Release Note **1**
1.1 Overview 1
1.2 Basic Functions and Applications 1
1.3 New Features 1
1.4 Fixed Bugs 2
1.5 Compatibility 2
1.6 Software Environment 2
1.7 Pending Issues 2
1.8 Upgrade Guide 3

1.1 Overview

Item	Description
Product name	DIGITAL VIDEO RECORDER
Product model	DH-XVR8216A-4KL-I DH-XVR8208A-4K-I DH-XVR8816S-4KL-I
Version	V4.200.0000001.1
Software package information	DH_XVR8x16-4KL-I_MultiLang_PN_V4.200.0000001.1.R.190605.zip
OS requirement	None
Release date	2019/06/14

1.2 Basic Functions and Applications

This series product is to work with the camera, HDD to monitor the specified position in the indoor environments. It can monitor, playback and support remote surveillance once connect the device to the network. It support cellphone monitor from anywhere at anytime via the Internet.

This series product supports five camera signals (CVI, AHD, TVI, CVBS, IPC) and can connect to the popular signal types on today's market. It can use the original coaxial cable and support network cable too. It is suitable to upgrade the current system, at the same time; it can meet the expansible requirements of new projects.

CVI product has entered the H.265 era. With the lower bit stream, higher compression technology, it can reduce storage space and network transmission data. The device supports AI functions such as face detection, face recognition, IVS, and video structuring, making video surveillance more intelligent.

1.3 New Features

Shining new H.265 series products, shining new software baseline applications, it adds the following functions:

NOTE

Due to different product series, slight difference may be found on functions.

Function Name	Function Description
Face detection	Analyzes the pictures captured by the camera to detect whether there are faces on the pictures and extract the face attributes such as gender, expression, age, glasses, beard, and mask for structured storage, which is convenient for quickly finding video. Supports AI by camera.
Face recognition	The device supports comparison of detected faces and faces in the library, and performs alarm linkage based on the comparison result. Supports AI by camera.
IVS	Detect the intrusion and tripwire of people and vehicles and avoid wrong alarms by filtering the factors such as light changes, leaves shaking, and animals moving.

	Supports AI by camera.
Video structuring	The device can detect and extract key features from the human bodies and non-motor vehicles in the video, and then build a structured database. You can search any target you need with these features. Supports AI by camera.
Smart codec	All-channel supports H.265+, H.265, H264+, H264 encode. Smart H.264, smart H.265 encode reduces video bit streams and storage space by 90% and can storage record file of longer time.
CVI features	Support all CVI features such as HDCVI audio, HDCVI alarm, HDCVI upgrade, HDCVI control. The only hybrid series product supports HDCVI audio on today's market.
Shining new GUI	Shining new local and WEB UI style. New boot up log and WEB login logo.
All functions of the security baseline	This project is based on the security line. It supports all new functions of the security baseline such as device initialization, network security baseline, PIR connection, cloud upgrade, fish eye de-warp, USB keyboard, etc.
RAID	The device supports RAID0, RAID1, RAID5, RAID6, and RAID10.

1.4 Fixed Bugs

Current version fixed compatible issues with other software in the kit.

1.5 Compatibility

Current version is V4.200.0000001.1, compatible with previous version V4.200.0000000.x.

1.6 Software Environment

Platform	Model	Version
Baseline software	SmartPSS	General_SMARTPSS-Win32_ChnEng_IS_V2.002.0000009.0.R.190426.zip
	NETKB5000	General_NKB5000_All_V3.211.10SA000.1.R.181204.BIN
	NETKB1000	General_NKB1000_Eng_V2.620.0000000.0.R.20180115.zip
	DSS	General_DSS-PRO_Win64_IS_V7.002.0000002.1.R.20190418.exe
	NetSDK	General_NetSDK_Eng_Win32_IS_V3.050.0000005.4.R.190305.7z
	ConfigTool	General_ConfigTool_ChnEng_V4.011.0000001.4.R.20190305.zip
Decoder		General_NVD0405DH-4K_Eng_P_V3.200.0002.1.R.20180116.zip
Player		General_SmartPlayer-Win32_Eng_IS_V4.000.0000000.5.R.20180201.zip
Cell phone		Android：Gdmss plus 4.40.000
		Iphone：iDMSS Plus 4.40.000

1.7 Pending Issues

SN	Bug	Description	How to fix
1	In a special case, the arming time of the face detection is invalid.	When face detection and face recognition are enabled on the same channel and different arming times are set, the actual	If face detection and face recognition are enabled on the same channel, set the same arming time period.

		arming time will be the face recognition time.	

1.8 Upgrade Guide

- The upgrade mode includes configtool, web and USB device. Please refer to the upgrade manual for detailed information.
- During the upgrade process, some functions are null, such as record and network preview. After upgrade and reboot process, the device becomes OK.
- The previous device settings remain the same.
- During the upgrade process, do not shut down the device or unplug the power cord. Otherwise, the device may become malfunction and cannot boot up.

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.
Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China
Postcode: 310053
Tel: +86-571-87688883
Fax: +86-571-87688815
Email: overseas@dahuatech.com
Website: www.dahuasecurity.com