

Turbo HD DVR V3.4.90 build170205 Release Notes

(2017-02-15)

	Firmware Version:	v3.4.90 build170205
	SDK Version:	V5.2.5.40_build20161102
Firmware	Play Library (PlayCtrl.dll)	6.2.0.3
Basic Information	player	7.3.0.74
	Web version	V4.0.1 build161019
	Client version	V2.5.4.1 build20161121

Reason of Upgrade

Newly release model DS-7204/08HUHI-F1/S, DS-7204/08/16HUHI-F2/S, support 5MP TVI cameras access, deletes Hiddns and IP server service, newly support Hik-Connect. This version is only suitable for DS-7204/08HUHI-F1/S, DS-7204/08/16HUHI-F2/S. Add some new functions, modify some functions, enhance products quality and meet customers' requirements.

Firmware Updates

New Features

- i. Newly release F/S series DVR:
 - F/S series DVRs newly support 5MP TVI cameras access, meanwhile support 5 in 1 functions, (TVI/AHD/CVBS/CVI/IPC) cameras self-adaptive access.
 - Newly support 5MP long Distance Transmission function on Camera Management->Camera->Signal Input Status. Each channel can be enabled separately. When this function is enabled, the maximum transmission distance can be up to 800m.



	Camera Management
- Camera >	Signal Input Status IP Camera IIP Camera Import/Export
ಟೆ OSD	Camera I HD/CVBS A1 I A2 I A3 I
🟵 Image	A3 A4 Max. IP Camera Number 2
ə PTZ	5MP Long Distance Transmission
1 Motion	
Privacy Mask	
🕷 Video Tampering	
🛛 Video Loss	
E VCA	
⊘ Video Quality Diagn	
♠ Live View	Apply Back

ii. The recording resolution and frame rate of DVR analog channel can be self-adaptive according to the signal input.

The default main stream recording resolutions are 5MP/4MP/3MP/1080P/720P/WD1/4CIF/VGA/CIF. When connected with certain signal, the maximum resolution is consistent with resolution of signal input. For example, when connected with 4MP camera, 5MP recording resolution can't be supported; when connected with 3MP camera, 5MP and 4 MP recording resolution can't be supported.

		Record				
Schedule	Record Substream					
* D	Camera	[A1] Camera 01				
Parameters	Camera Resolution	4MP25				
奏 Advanced	Encoding Parameters	Main Stream(Continuous)	Main Stream(Event)			
	Stream Type	Video & Audio	~ Video & Audio			
🕈 Holiday	Resolution	4MP	× 4MP			
	Bitrate Type	4MP	Constant			
	Video Quality	1920*1080(1080P)	Medium			
	Frame Rate	1280*720(HD720P)	15fps			
	Max. Bitrate Mode		General			
	Max. Bitrate(Kbps)	960*576(WD1)	4096			
	Max. Bitrate Range Recomme	nd 704*576(4CIF)	4320~7200(Kbps)	4320~7200(Kbps)		
	Max. Average Bitrate(Kbps)	640*480(VGA)	2048	2048		
		352*288(CIF)				
	Enable H.264+					
	More Settings					
♠ Live View		C C	Apply Apply	Back		

iii. 4MP/5MP signal access is conflicted with "Enhanced VCA" function. When "Enhanced VCA" function is
 enabled, 2K/4K HDMI output of DVR is not supported and 4MP/5MP cameras can't be accessed.



		Configuration						
🔅 General 🔹	General DST Settings More	Settings						
😞 Network	Device Name Device No.	Embedded Net DVR 255						
\land Alarm	CVBS Output Brightness							
	Auto Logout Menu Output (?) Enhanced	Attention ~						
▲ Exceptions	Main CVBS S disable 4	Crossing detection and intrusion detection, and disable 4 MP/5 MP signal input. New settings will take effect after reboot. Click "Yes" to reboot now						
ند User		Yes No						
A Live View		Apply Back						

iv. HIDDNS Function modification

- 1) Delete hiddns and Ip server service from DVR, replaced by Hik-Connect domain function; reserve third party DDNS: DynDNS, PeanutHull and NO-IP.
- 2) The Hik-Connect function is not enabled by default.
- 3) Support adding IPC by its domain. Only support the IPC in the same Hik-Connect account with DVR, or shared IPC.
- v. Support displaying the VCA information on the analog channel when previewing.
 - Left-click the button on the live view window to display VCA information, and left-click again to hide.
 Support showing target box and rule box at the same time. Only one channel can be used for displaying VCA information at one time.
 - 2) Support displaying VCA information under single screen model or multi-screen model.
 - 3) Main-monitor output has this function, while auxiliary-monitor output not.





- vi. Support displaying the VCA information when playback.
 - 1) Support displaying the target box and rule box on the Smart playback.
 - 2) Supported VCA type: Line Crossing Detection and Intrusion Detection
 - 3) Add the "VCA info" button on Smart playback to enable displaying or hiding the VCA information. If the device does not support smart event or Smart IPC access, the button will turn to be grey.
 - Supported displaying on main stream of analog video recording file and main or sub stream of IPC recording file.
- vii. Update of coaxial function.
 - Support TVI/CVI/AHD signal coaxial control function, the protocol name is changed to UTC (Coaxitron).
 - 2) Support **all channel** of Hikvision TVI camera upgrading at one time, which used to be only one channel upgrading at one time.



Camera	PTZ							
			PT2	Z Parameter Settin	igs			
¢ OSD	Baud Rate		9600				-	
🔉 Image	Data Bit						~ r All	Call
F PTZ	Stop Bit						~	
) P12	Parity		None				~	
Motion	Flow Ctrl		None				~ r All	Call
Privacy Mask	PTZ Protocol		UTC(Coa)	ixitron)			-	
a Filvacy wask	Address	k	0				c	Clear All
🖤 Video Tampering	Address range: 0~25	55						
2 Video Loss								
							st Control	
VCA				Сору	ок	Cancel		
Video Quality Diagn.								

 Newly support configuration of TVI camera Defog function. Defog Level is configurable on Camera Management->Image->Camera Parameters Settings.

		Camera Management	
T Camera	Image Settings Car	mera Parameters Settings	
SD	Camera	[A1] Camera 01	
	Signal Switch	5 MP 20 fps	
* Image >	1 1	Enable Defog	
o PTZ	1	Day to Ni 0 1	
		Night to D 0 1	
Motion		IR Light B 0-1	
Privacy Mask		Defog Level 0 1	
🖤 Video Tampering			
		k	
7 Video Loss			
VCA			
Video Quality Diagn			
S video Quality Diagn			
Live View		Default Copy Apply Back	<

viii. Support displaying **Online Users** information on web browser and client.

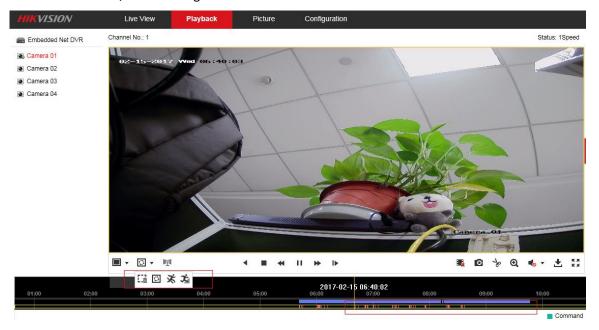
	VISION	Live Vi	ew	Playback	Picture	Co	nfiguration		
Ţ	Local	User I	<i>l</i> lanagement	Online Users	[
	System	- U	Jser List					Refresh	
	System Settings	N	o. I	Jser Name	Level		IP Address	User Operation Time	
	Maintenance								
	Security								
	Camera Management								
	User Management								

ix. All VCA events newly support PTZ linking action.



				Camera Ma	anagem	ent		
•	Camera			Setti	ngs			·
5	OSD	Trigger Channel	Arming Schedule	e Linkage A	ctio 1	PTZ Linking		- Save VCA Picture
a	Image	Analog	⊠ A1	A2	A3	A4		ing D People Gath en Sc PIR Alarm
						k		
5	FTZ							
*	Motion							 Rule Settings
22	Privacy Mask							
	Video Tampering							
?] Video Loss							
G	VCA							
¢	Video Quality Diagn			Арр	oly	ок	Cancel	
•	Live View						Apply	Back

Newly support VCA search function of remote playback. Supported VCA type: Motion Detection,
 Intrusion Detection, Line Crossing Detection₀



xi. Newly support **One-Key Disarming** function. When this function is enabled, all linkage actions will not be triggered.



		Configuration			
泰 General	Alarm Status Alarm Input Alar	m Output			
& Network	Alarm Input No.	Local<-1			
	Alarm Name				
Alarm	` Туре	N.C			
Live View	Fnable				
	Enable One-Key Disarming				
Exceptions	Settings	ø			
user 🖇		k			
Live View			Сору	Apply	Back

xii. Modify some area time zone.

- 1) Adjust Turkey (Istanbul / Moscow / St Petersburg) time zone to UTC+3:00
- 2) Adjust Novosibirsk time zone to UTC+7:00
- 3) Newly add Caucasus time zone(GMT+04:00)
- 4) Adjust Magadan time zone to GMT+11:00
- **xiii.** Improve the performance of motion detection.
- **xiv.** Modify some France language expressions.
- **xv.** Improve the quality of AHD signal image.

Related product list:

DS-7204HUHI-F1/S、DS-7208HUHI-F1/S、
DS-7204HUHI-F2/S、DS-7208HUHI-F2/S、DS-7216HUHI-F2/S

Customer Impact and Recommended Action

This new firmware upgrade is to improve product performance, and will take effect automatically after

upgrading from previous versions. We'd like to inform you the above changes. Also, we are sorry for any

possible inconvenience of use-habit changes caused by this action.

For questions or concerns, please contact our local technical support team.



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