Partizan Device Manager

User manual

Version 0.3, November 26, 2015





Abstract

This document is a user manual for Partizan Device Manager software which was developed according to the standards for software development described in ISO/IEC JTC 1/SC 7. Installation and user instructions for Partizan Device Manager software are described in the user manual.



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1.Introduction

1.1 Application.

Partizan Device Manager software is meant for parameter setting of Partizan cameras and digital video recorders.

1.2 Short description of features.

Features of Partizan Device Manager software:

- Device information display;
- Device search through the network;
- Equipment network parameter setting;
- Channel setting;
- Account setting;
- Video view;
- Equipment maintenance.

1.3 Feedback.

Technical support can be reached by the following contacts:

E-mail: support@partizan.global

Skype: partizan-support

Tel: +44 207 048-32-05.



2. Pre-starting procedure

2.1 The recommended system requirements.

- Processor: Intel Core i3 or similar;
- RAM: at least 3 Gb;
- Available disk space: at least 1 Gb;
- Operating systems:
 - Windows 7 (32-, 64-bit);
 - Windows 8 (32-, 64- bit);
 - Windows 10 (32-, 64- bit).
- Distributed packages Visual C++ for Visual Studio 2013 (vcredist 2013) should be installed;

2.2 Distribution package location.

The recent version of Partizan Device Manager software can be downloaded using the link

http://updates.partizan.global/Software/Partizan%20DM/Partizan%20Device%20M anager.exe

2.3 Partizan Device Manager installation.

Please, run Partizan Device Manager.exe, choose installation language and click "Next" (Fig. 2.1):



Welcome to the Part Setup Wizard	izan Device Manager	
Select the setup language:		~

- Fig. 2.1 Choosing installation language.
- Click "Next" to continue software installation process (Fig. 2.2):





Have a look at the conditions of the License Agreement and click "Next" (Fig. 2.3):

Partizan Device Manager 0.2 Installation –	×							
License Agreement Please read the following important information before continuing.								
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.								
License Agreement for Partizan Device Manager use	^							
Before you use the software, please read the terms of this license agreement. Any use of Software by you means full and unconditional acceptance of the terms of this license agreement. If you do not accept the terms of this license agreement in full, you are not eligible								
to use Software in any way. 1. License This License Agreement ("License") is concluded between you, the end user ("User") and Partizan Security LLP, Dalton House, 60 Windsor Avenue, London,	~							
\square I accept the agreement								
< <u>B</u> ack <u>N</u> ext >	<u>ancel</u>							
	Partizan Device Manager 0.2 Installation — License Agreement Please read the following important information before continuing. Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation. License Agreement for Partizan Device Manager use Before you use the software, please read the terms of this license agreement. Any use of Software by you means full and unconditional acceptance of the terms of this license agreement. If you do not accept the terms of this license agreement in full, you are not eligible to use Software in any way. 1. License This License Agreement (`License'') is concluded between you, the end user ('User'') and Partizan Security LLP, Dalton House, 60 Windsor Avenue, London, If I accept the agreement							

Fig. 2.3 License Agreement.

• Select the installation directory and click "Next" (Fig. 2.4):

	Select Application Folder
	Please choose the directory for the installation.
	Setup will install Partizan Device Manager 0.2 in the folder shown below.
	To install to a different folder, dick Browse and select another folder.
	Destination folder
	C: \Program Files (x86) \Partizan \Partizan Device Manager 0.2
	Required free space: 35,17 MB
	Available free space: 324, 13 GB
-	



• Select additional tasks and click "Next" (Fig. 2.5):

-	Partizan Device Manager 0.2 Installation	<u>89</u>		×
	Select Additional Tasks		5	
	Which additional tasks should be performed?		2	
	Select the additional tasks you would like Setup to perform while inst Device Manager, then dick Next. Create shortcuts in Start Menu	alling Part	izan	
	Program group name:			
	Partizan \Partizan Device Manager 0.2		~	
	Create shortcuts on Desktop			
	< <u>B</u> ack Ne	xt >	<u>C</u> an	cel

- Fig. 2.5 Selection of additional tasks.
- Click "Install" to start installation process (Fig. 2.6):

Partizan Device Manager 0.2 Installation	5 <u>3</u>		×
Ready to Install		2	
Setup is now ready to begin installing Partizan Device Manag computer.	er 0.2 on your	2	
Click Install to continue with the installation, or Back if you wa any settings.	ant to review or	change	
Destination folder: C:\Program Files (x86)\Partizan\Partizan Device M	lanager 0.2]
Program group name: Partizan \Partizan Device Manager 0.2			
Additional tasks: Create shortcuts on Desktop			
< <u>B</u> ack	Install	<u>C</u> an	icel
Fig. 2.6 Installation pro	ocess st	art.	



• Click "Finish" to complete installation process (Fig. 2.7):



Fig. 2.7 Installation completion.

2.4 Software start

To start the software open installation directory and run "Device Manager".



3.User manual

3.1 Software review.

The software consists of the following functional areas (Fig. 3.1):

Rartizan Device Ma	inager v0.3		6 🗉 🕐 🏟 – 🗆 ×
Device list Filter	IP: 109.95.48.77 Device: IPC	Information Type	IPC
Name: 1SP-IR WIFI Device: IPC	Information	Firmware	V4.02.R11.00001908.10010.2302
Name: DVR Device: HVR	General Settings	Build Date Partizan ID	2015/04/22 16:46:18 4102c9954c285f4e
	Network Settings	Partizan MAC	00:12:12:F3:B6:9A
2 admin	WiFi Settings A Set Password Live video Maintenance	Partizan QR MAC	「二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、
Default password			
Scan Add			

Fig. 3.1 Partizan Device Manager.

- 1. *Filter for displaying the required devices* (works by IP address, MAC or equipment name);
- 2. Displaying the found or manually added devices;



- 3. User account and password for authorization with devices by default (it is used during search in the network);
- 4. Administration tab with connected device;
- 5. Tab with the selected parameter for setting;
- 6. Icons with "Programe settings", "News feed" and "Help".

Partizan devices will be searched for in local network by clicking button "Search".

By clicking the button "*Add*" window with manual device adding will be opened (Fig. 3.2)

Ra Pa	rtizan Devic	e Ma	nager v0.3		
Device li	st		IP: 109.95.48.77 Device: IPC	Information Type	IPC
Name: Device:	1SP-IR WIFI IPC		Information	Firmware	
Name:	DVR		Goveral Settings	Build Date Partizan ID	
Device.	HVK		Name: P IP or MAC: IP (Url): Port: 3 MAC: ISSUER NAME: P User name: A Password: P Remember: O	evice name P • • • • • • • • • • • • • • • • • • •	
admin Default pa					

Fig. 3.2 Device adding.

The following parameters must be filled in:



- Set device name. If this field is filled in, it will be displayed on added devcies tab, otherwise IP address or MAC address of the device depending on the chosen type;
- Select connection type to the device IP or MAC;
- If IP is chosen, indicate *IP address of equipment* or domain by connection via DynDNS;
- Indicate device *media port* (by default 34567);
- Indicate *MAC address* by connection via MAC;
- Indicate user name and password (by default for digital video recorders admin/admin, for IP cameras admin without password).

By hovering a cursor over the added or found device the bar with buttons "Connect", "Change" "Change IP "and "Delete" (Fig. 3.3) will be displayed.



Device list < Filter	2 🏟	
Name: 15P-IR WIFI Device: DVR Connect Edit Delete		
IP: 192.168.0.55 Device: DVR Change IP Connect Edit Delete		
admin 🛛 🕰		
Found 1 devices.		



For getting access to software settings it is necessary to click the icon Thereafter window with the application parameters will be opened (Fig. 3.4):

- Switch between normal and pro operation mode;
- Numerical parameter of device seek time through network. It can be from 5 to 60 seconds. Default value is 15 sec;
- Software language selection.



Reference Partizan Device	Mar	nager v0.3		🗉 🕐 🔯 🗕 🗆 ×
Partizan Device Device list Filter Name: 1SP-IR WIFI Device: IPC Name: DVR Device: HVR	Mar	IP: 109.95.48.77 Device: IPC Information General Settings Channel Settings Retwork Settings With Settings	Information Type Firmware Build Date Partizan ID Partizan MAC Partizan QR MAC	 Image: Pro Mode OFF Time search15. ÷ Languages Čeština Deutsch English Français Polskie Русский Українська
admm Default password Scan Add	~	Maintenatica:		Apply Cancel

Fig. 3.4 Application parameters.

To watch news feed it is necessary to click the icon 1. Thereafter the following window will be opened (Fig. 3.5):



Reference Martizan Device M	anager v0.3	🗐 🕐 🍁 💷 🗆 ×
Device list <<	Partizan Cloud 1.0.4 for iOS 07.11.2015	New version of Partizan Cloud for iOS includes: - added support of iOS 9; - added "Search devices in LAN" function
Name: 1SP-IR WIFI Device: IPC	Partizan Cloud 1.0.24 for Android 24.10.2015	- added Search devices in LAW function.
Name: DVR Device: HVR	21.10.2015 Partizan Pro 1.0.8 for Android	
	Partizan ACM 2.0 for Windows 02.10.2015 Partizan Pro 1.0.7 for Android	
	Partizan Pro 1.0.1 for iOS 09.09.2015	
	Partizan Cloud 1.0.3 for iOS 23.08.2015	
	Partizan Cloud 1.0.23 for Android	
admin <table-cell></table-cell>	13.08.2015	
. Default password Представление задач		

Fig. 3.5 News feed.

By clicking the icon is user manual will be opened.

3.2 Normal operation mode of the application.

This operation mode is meant for equipment basic parameter setting.

3.2.1 Information.

Basic information about equipment is displayed on this tab (Fig. 3.6):

- *Type*. Equipment type is indicated:
 - IPC IP camera;
 - DVR digital video recorder;



- HVR hybrid video recorder.
- Firmware. Device firmware version is indicated;
- Build date. Firmware assembly date;
- Partizan ID. Device ID for access to it via NIP service;
- Partizan MAC. MAC device address;
- Partizan QR MAC. QR code for device adding to mobile applications.



Fig. 3.6 Information.

3.2.2 General settings.

The following parameters can be set on this tab (Fig. 3.7):

• System language. Device language in web interface;



- Time zone. By default 00:00 (Europe/London);
- Automatic date settings. NTP server is used for time synchronization;
- Date. Fill in date parameters;
- *Time*. Fill in time parameters.

Reference Main Partizan Device Main	nager v0.3		🗐 🕐 🏟 🗕 🗆 ×
Device list << Filter	IP: 109.95.48.77 Device: IPC	General Settings System language	English 😽
Name: 1SP-IR WIFI Device: IPC	Information	Time zone	-6:00 (US/Central) 🗸 🗸
Name: DVR	General Settings	Automatic date settings	20.11.2015
Device: HVR	Channel Settings	Time	10:33:45
	Network Settings		
	Set Password		
	Live video		
	Maintenance		
admin 🛛 🕿			
Default password		Save	

Fig. 3.7. General settings.

3.2.3 Channel settings.

The following parameters can be set on this tab (Fig. 3.8):

• *Channel.* Choose channels for setting. You can apply the settings to all channels, having selected *All*;



- Camera name. Cyrillic alphabet is not supported;
- *Display camera name.* Displaying camera name on the transmitted from camera image;
- Display camera time. Displaying camera system time on the transmitted image;
- *Motion detection.* Motion detection on/ off;
- Motion sensitivity. Motiont detector sensitivity..



Fig 3.8 Channel settings.

3.2.4 Network settings.

The following parameters can be set on this tab (Fig. 3.9):



- DHCP or static IP address. Switch;
- IP address. IP address indication;
- Subnet mask. Subnet mask indication;
- Default gateway. Default gateway indication;
- DNS. DNS server configuration;
- *IP address automatic tuning.* By clicking this button the application automatically finds free IP address in the network and appoints it to the equipment.



Fig. 3.9 Network settings.

3.2.5 Wifi settings.



This tab will be displayed only of the equipment supports Wifi. The configurable settings (Fig. 3.10):

- Activate WiFi. Switch;
- DHCP or static IP address. Switch;
- *IP address.* IP address indication;
- Subnet mask. Subnet mask indication;
- Default gateway. Default gateway indication;
- SSID. Name of access point;
- *Encryption.* Type of the used encryption;
- Password. Authorization password;
- WiFi list. List of the access points found upon WiFi search;
- *Auto IP setup.* By clicking this button the application automatically finds free IP address in the network and appoints it to the equipment.





Fig. 3.10 WiFi settings.

3.2.6 Change password.

You can change password for *admin* user in this window (Fig. 3.11):





Fig. 3.11 Change password of admin user.

3.2.7 Streaming video.



Reference Ma	nager v0.3			•	🏟 🗕 🗆 ×
Device list <<	IP: 109.95.48.77	Live video			
Filter	Device: HVR	Video quality (High)	Full screen		
Name: 1SP-IR WIFI Device: IPC	Information	All Video lost	Video lost	-	Video lost
Name: DVR Device: HVR	General Settings	CAM02 CAM03 Video lost	Video lost Video lost	Video lost	Video lost
	Channel Settings	CAM04 CAM05 Video lost	Video lost Video lost	Video lost	Video lost
	Network Settings	CAM06 CAM07		- Hacolosk	
	Live video	CAM08 Video lost	Video lost Video lost	Video lost	Video lost
	Maintenance	CAM10 CAM11 Video lost	Video lost Video lost	Video lost	Video lost
		CAM12 CAM13			
		CAM14			
		CAM15			
		CAM17			
		CAM18			
admin 🛛 🐼		CAM19			
Default password		CAM20 CAM21			
		CAM22			
Scan Add		CAM23			

Fig. 3.12 Streaming video

Video from the equipment can be watched on this tab (Fig. 3.12):

- Video quality. Switch between main and secondary flow;
- Full screen. Full screen video displaying;
- Switching between squaring device and one camera viewing; Do so requires to click the button "*All*" and choose the necessary channel. You can also double click the chosen channel;
- *Alarm processing.* Camera contour is marked red by movement detector operation.

3.2.8 Maintenance.





Fig. 3.13 Maintenance

You can do the following on this tab (Fig. 3.13):

- Factory setting reset. Reset to the default settings;
- *Reboot device;*
- General firmware. Download standard firmware into the device;
- Cloud firmware. Download cloud firmware into the device for work with service <u>http://partizancloud.com/</u> If cloud firmware is downloaded into the device, it would be impossible to add equipment to the application Partizan Pro and Partizan Device Manager, using MAC address.



Firmware will be downloaded and installed automatically, whereupon the device will be restarted automatically. Settings don't change by firmware upgrade (Fig. 3.14).

🦣 Partizan Device Manager v0.3					
Device list «<	IP: 109.95.48.77 Device: HVR	Maintenance Factory settings	Rept		
Name: 1SP-IR WIFI Device: IPC		Reboot device			
Name: DVR Device: HVR		General firmware			
		Cloud firmware			
	Downloading softw	vare updates from the server 43 %.			
admin 🛛 📾					
Scan Add					

Fig. 3.14 Firmware upgrade



4. Troubleshooting

No.	Problem	Solution		
1	Software starts, icon appears on the system panel but application window is not displayed.	Check whether video card drivers or DirectX elements are installed.		
2	While starting application ends with error (MCVCP120.dll is not found).	vcredist 2013 packages are not installed. Install it following the link: <u>https://www.microsoft.com/ru-</u> <u>ru/download/details.aspx?id=40784</u> .		

5. Known problems

No.	Problem	Comments
1	It is not started on Windows XP.	Works on Windows XP support are being carried out but with low priority. Company Microsoft doesn't support Windows XP any more, that's why it's rather difficult to provide its support with the current development environment.
2	Equipment is outside the network.	 Make sure computer has access to local network; Don't connect camera to computer directly in this case function of search won't able to work without manual computer network setting; Make sure computer and equipment are in the same local network (Ideally, there is only one commutator between computer and device) Make sure computer or computer fire wall doesn't restrict broadcast transmission.
3	Facilities search finds not all facilities.	The function of search is not perfect at the moment.