



SmartVideo IP

© 2006 ITV Group

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1

SmartVideo IP

1.1

"SmartVideo IP"

Windows 2000, Windows XP
Microsoft ().

Intel, Celeron, Pentium, Xeon

Intel.

Microsoft Windows 2000 / XP

"SmartVideo IP" (,),
"SmartVideo IP" (,).

"SmartVideo IP"

"SmartVideo IP", , .

127486 . , , 93, 1.

: +7 (095) 775-61-22

: + 7 (095) 775-61-22

E-mail: support@smartvideo.ru

WEB: www.smartvideo.ru

1.2

1.3

1. , "SmartVideo IP",
(), ,
,
:
• () « - - - »
"SmartVideo IP" , , ;
• , , ;
• , , ;
• , , ;
• « - - - » , ,

1.5

- :
• - 4 .
- :
- :
1. ().
2. ().
3. ().
- ,
- (, , . . .),
- (, , ,)
- .
- :
- - .
- - TCP\IP.
- - LAN.
- - 1.
- - TCP\IP.
- :
- - 4- .
- - 100 ().
- - 4 Windows GDI (4Mb), DirectDraw (Riva TNT2,
ATI Radeon, GeForce2,).

- M jpeg, Mpeg-4.
 - 500 ()
100 Mb ()
 - 100 ,
 - 2, 4, 8, 16 .
 - (, ,) - ,
 - - JPG BMP, AVI AVI
 - Smart PocketPC Smart Phone
()
 - :
 - - (MIC), (LINE) (SoundBlaster only).
 - - (2).
 - - 2.
- 8000, 11025, 22050 44100 Hz.

1.6

SmartVideo IP

© "SmartVideo IP"

1. - , : "SmartVideo IP",
Guardant,



2. mini-jack - 2 RCA



3. Guardant.



- 4.

2

SmartVideo IP

2.1

"SmartVideo IP"

2.1.1

"SmartVideo IP"
Windows XP (SP2).

Windows 2000 (service pack 4)

2.1.2

"SmartVideo IP"

- M-JPEG mpeg-4.

"SmartVideo IP".

		Axis 205 (M-JPEG)
			(fps)
(320 240)		?>; CG5=85A5B8O?8AO 48A:>B>1@065=8BOO	100
		?>; CG5=85 A5B87O?8AL =O 48A>B>1@065=8AEL (2545BAO 45: ><?@5AA8O A83=0400B>1@065=8O	100
		?>; CG5=85A5B8O?8AO 48A: >B>1@065=8B	100
(640 480)		?>; CG5=85A5B8O?8AO 48A: >B>1@065=8AEL (2545BAO 45: ><?@5AA8O A83=0400B>1@065=8O	30
		Vivotek PT-3122 (mpeg-4)

	,	100
240	,	100
	,	30
(320)	,	30
	,	
(640 480)	,	
	,	
	,	

Intel Pentium IV 2,4

512

,
(,),
256 .

2.1.3

"SmartVideo IP"
SCSI- " " .
SCSI- " " .

"SmartVideo IP"
(, 100).

2.2

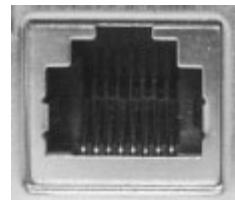
"SmartVideo IP".

"SmartVideo IP"

2.2.1

Guardant.

RJ-45:



PCI-

RJ-45:



1. , ,

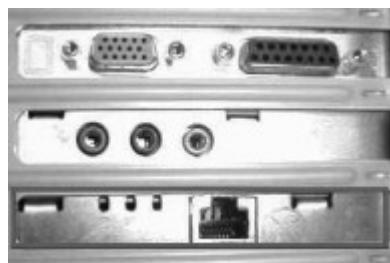
2. , ,

3. , ,

4. , ,

5.

6.



(, ,).

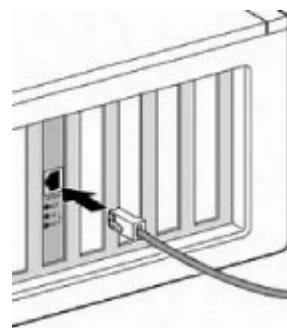
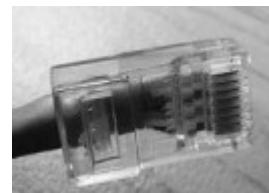
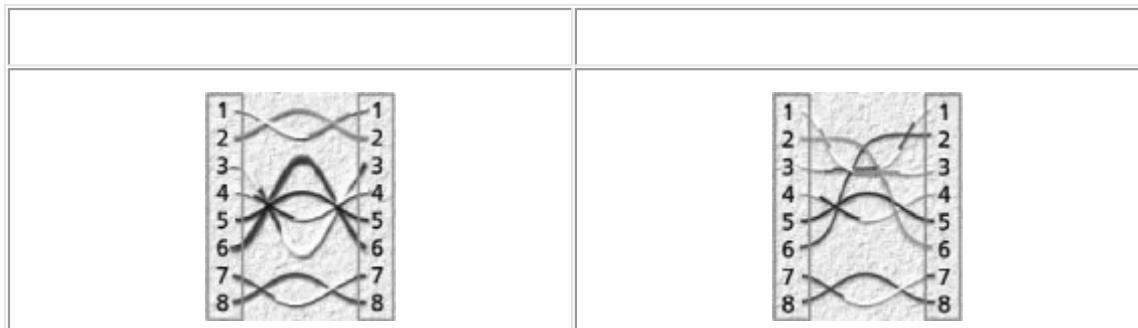
RJ-45



UTP cable

:
R- 45.

UTP



Guardant

().

USB

2.2.2

"SmartVideo"

mini -jack to RCA,

,



mini-jack (

(LINE)

RCA

!

,

RCA.

2.2.3

SmartVideo IP

"SmartVideo IP"

SmartVideoIP

setup.exe.

"SmartVideo IP"

"SmartVideo".

"SmartVideo IP"

Guardant.

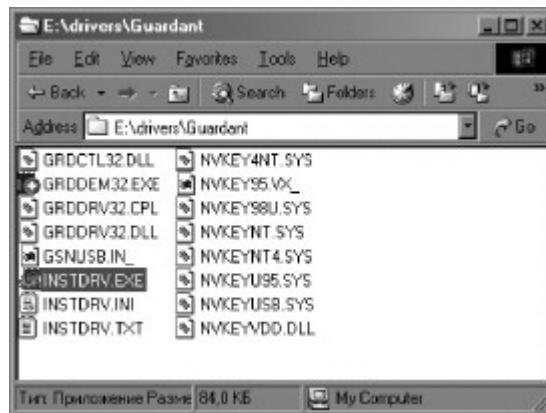
,

Guardant USB-

1.

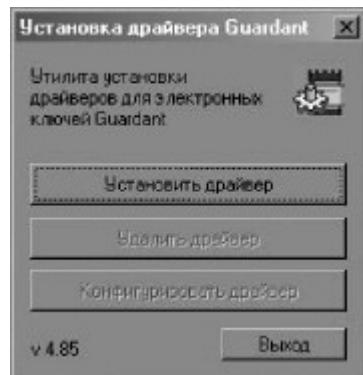
Drivers,

Guardant



2.

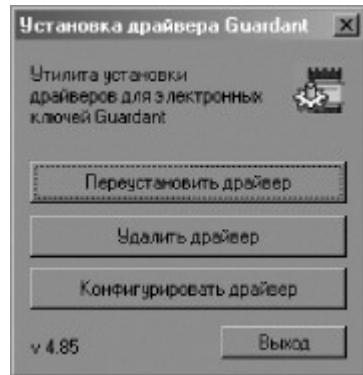
INSTDRV.EXE.



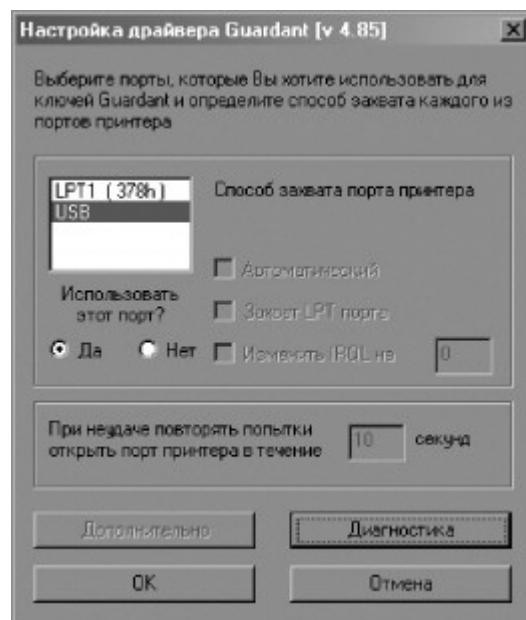
3. " "



4. " ".



5. " " ,).



6. " " .

2.3

" " .
"SmartVideo IP",

2.3.1

"SmartVideo IP"

www.smartvideo.ru

"SmartVideo IP":

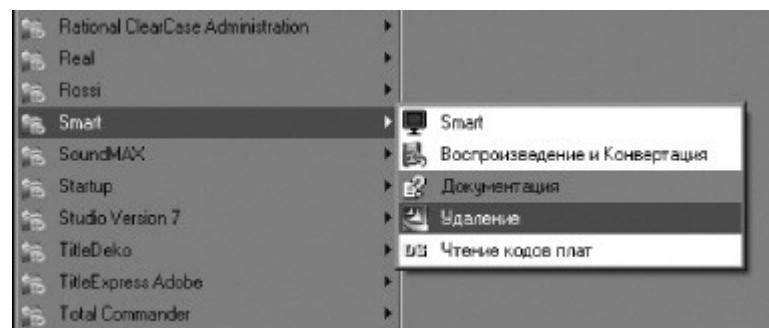
"SmartVideo IP".

2.4

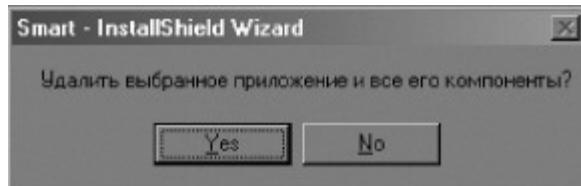
"SmartVideo IP"

2.4.1

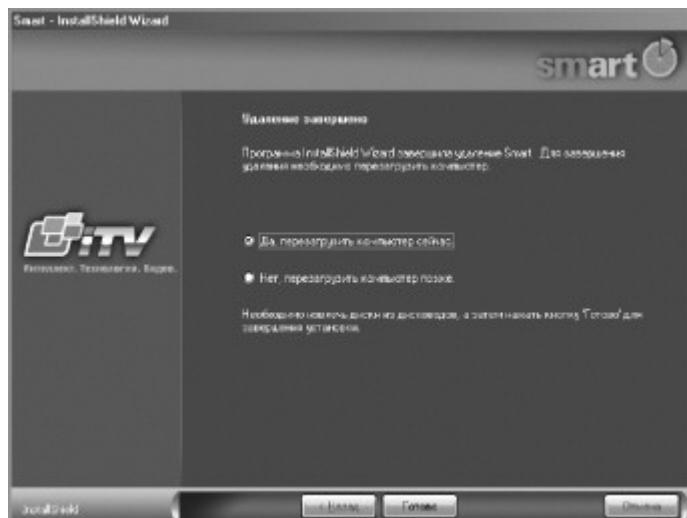
» " " --> " " --> "SmartVideo IP",
" " ,



» " " ,



» "SmartVideo IP".



"SmartVideo IP"

"SmartVideo"

"VIDEO",

2.4.2

"SmartVideo",

Guardant

"SmartVideo IP"

SmartVideo IP

SmartVideo IP.

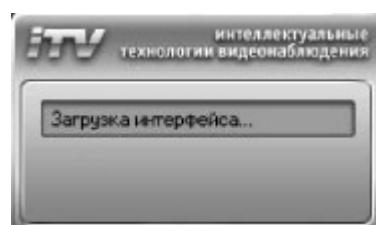
3

3.1

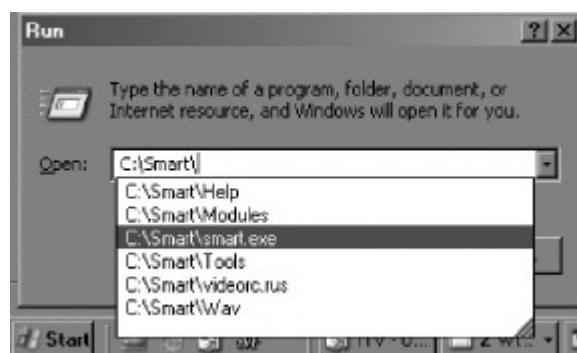
3.1.1

SmartVideo IP

"SmartVideo IP"
" (Start) --> "
(All Programs) --> "SmartVideo IP" --> SmartVideo IP,



"SmartVideo IP",
 Windows : "
 (Start) --> " " --> (Run...)



"SmartVideo IP".

3.1.2

"SmartVideo IP"

1.

Windows.

" " "SmartVideo IP"
" (StartUp) " (Start - Programs) smart_ip.exe
" " "SmartVideo IP".

Windows.

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon

AutoAdminLogon - 1

DefaultUserName -

DefaultPassword -

AutoAdminLogon 0,

(StartUp) :

*.reg

REGEDIT4

[**HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon**]

"AutoAdminLogon"="1"

2.
(Explorer).

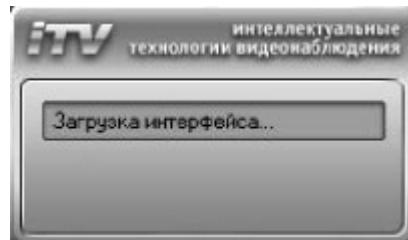
"SmartVideo IP"

"SmartVideo IP"
Windows.

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon

Shell - smart_ip.exe, : "C:\SmartIP\smart_ip.
exe"

(
"regedit") Windows,
"Explorer". Shell Ctrl+Shift+Esc,



3.2 SmartVideo IP

3.2.1

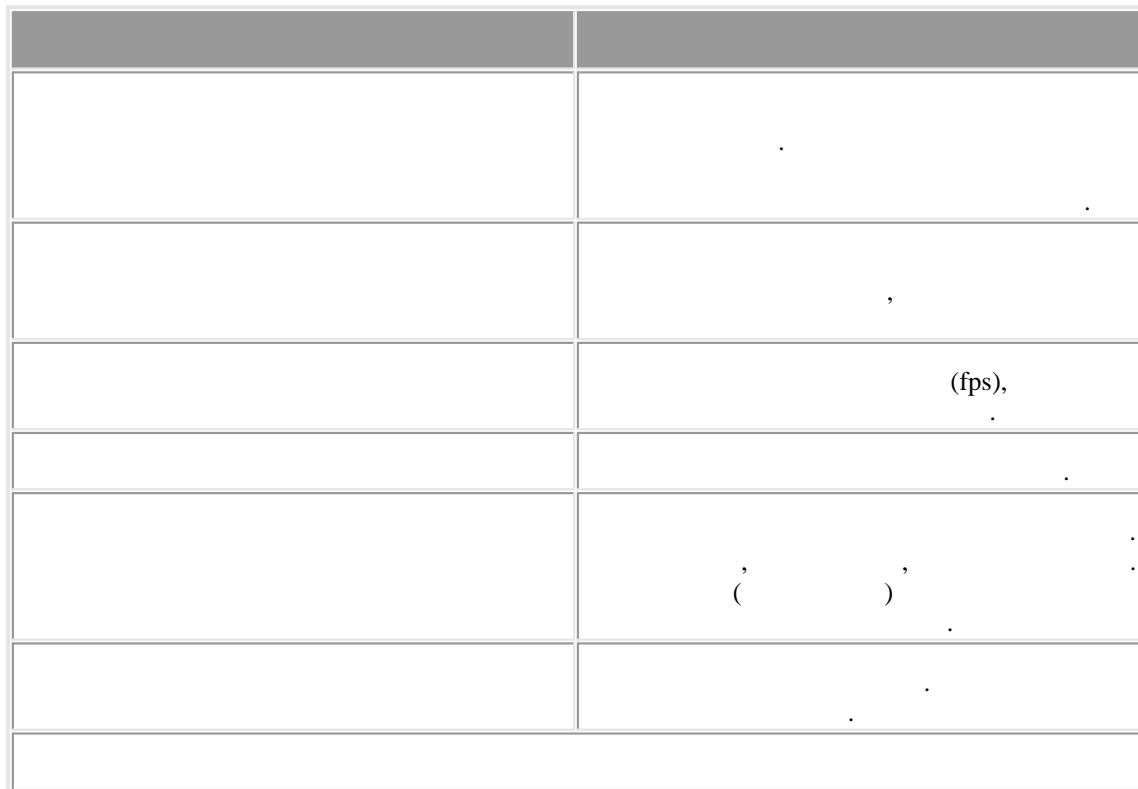
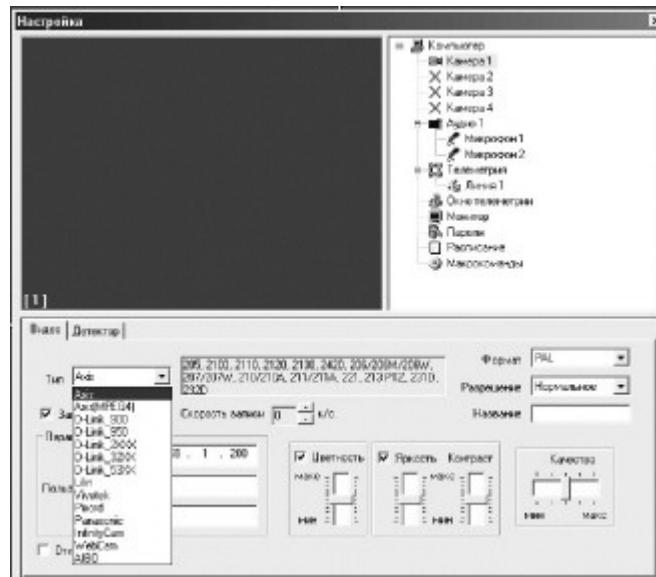
The image shows the SmartVideo IP configuration interface. At the top is a tree view labeled "Камеры" (Cameras) containing four groups: Группа 1 (with Camera 1), Группа 2 (with Camera 2), Группа 3 (with Camera 3), and Группа 4 (with Camera 4). Below the tree is a "Запись на диске" (Disk Recording) section with checkboxes for CA, DA, EN, FR, GA, HS, and a "Сигналы" (Signals) checkbox. The main area below contains a video preview window and two text boxes:

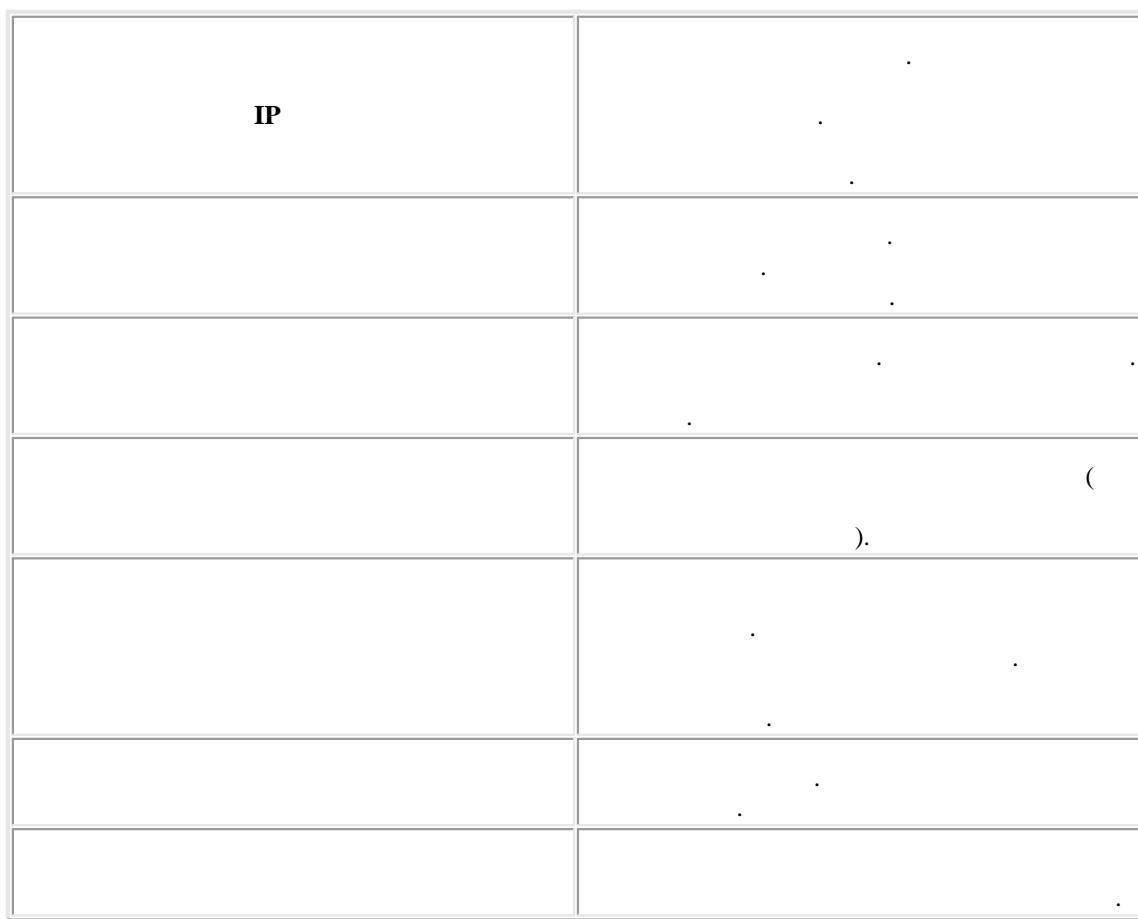
() ,
VIDEO.

" " .",
, (),
"SmartVideo". , ,

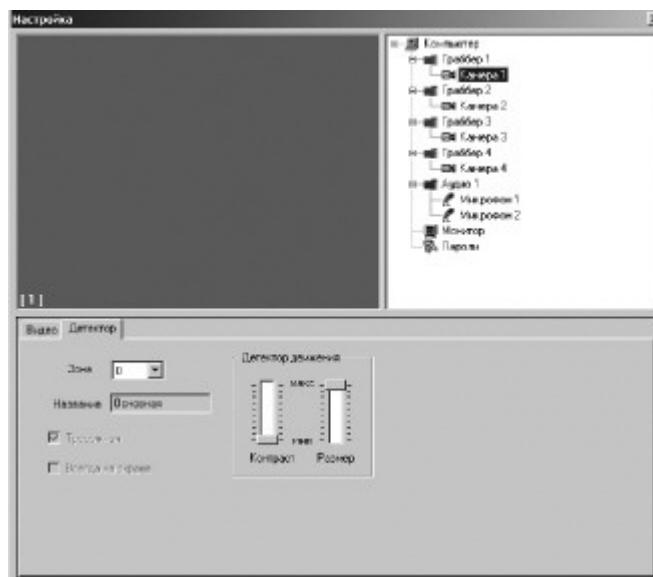
3.2.2

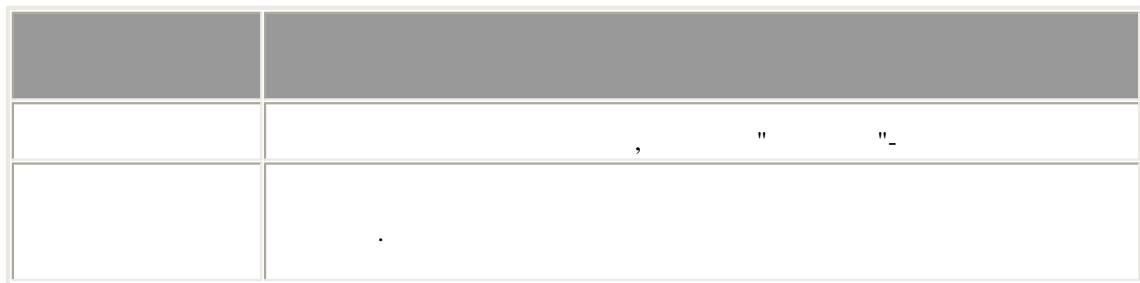
IP IP web



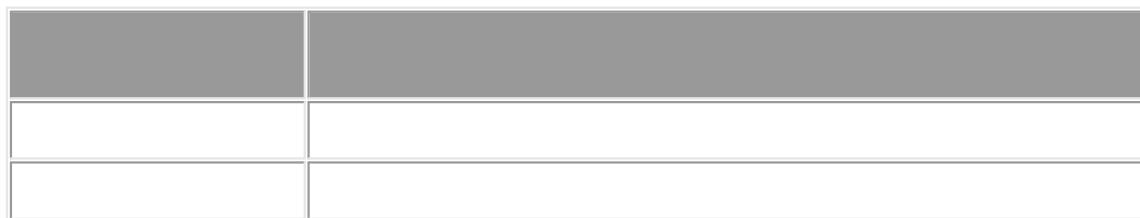
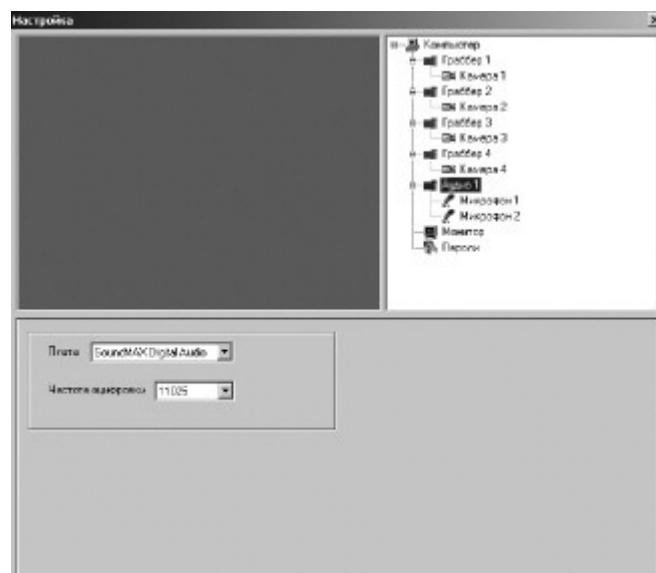


3.2.3

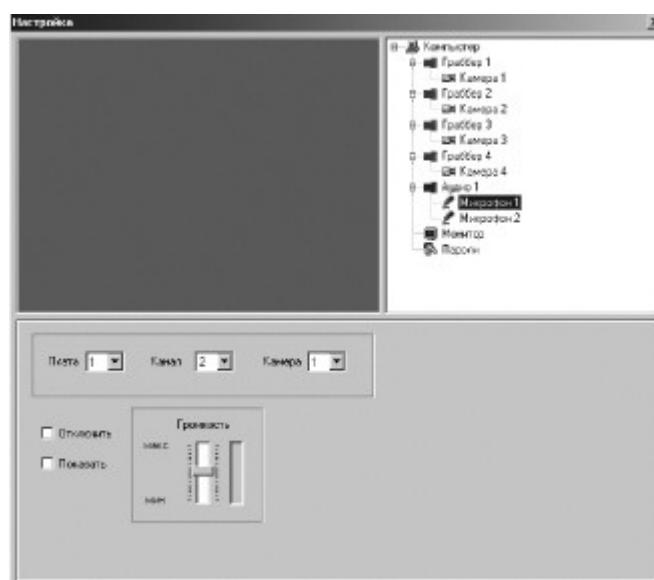




3.2.4

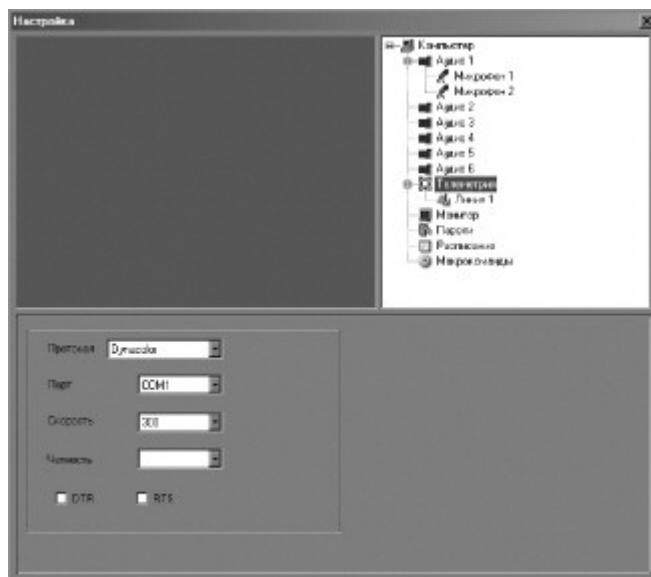


3.2.5

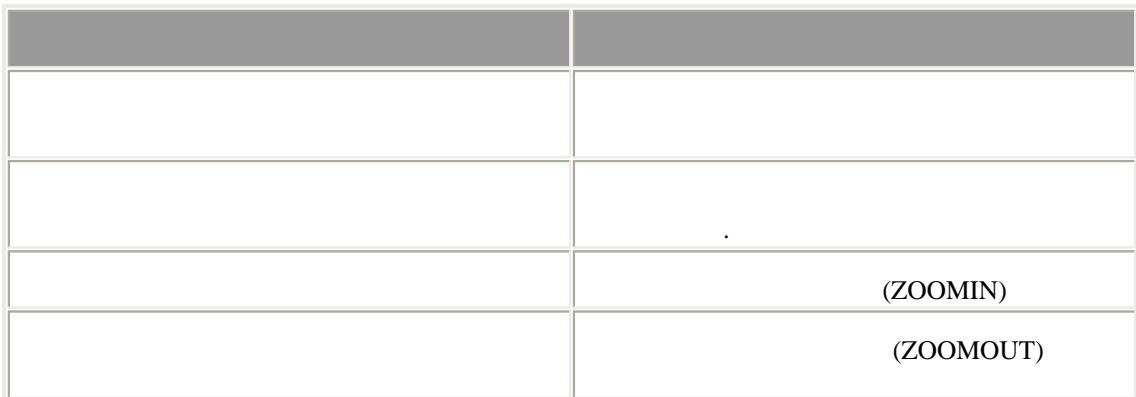


	" "
	,
	" "

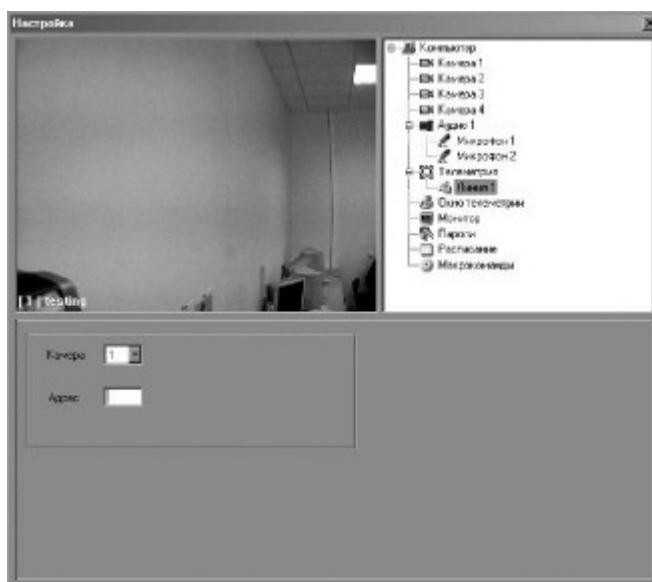
3.2.6



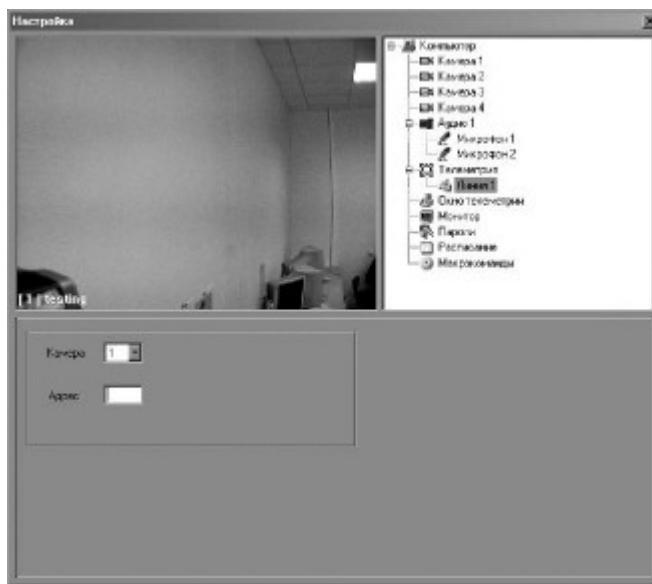
	,
	.
	COM None.
	Even
	Odd
	None
	Mark
	Space
DTR	DTR.
RTS	RTS.



3.2.7

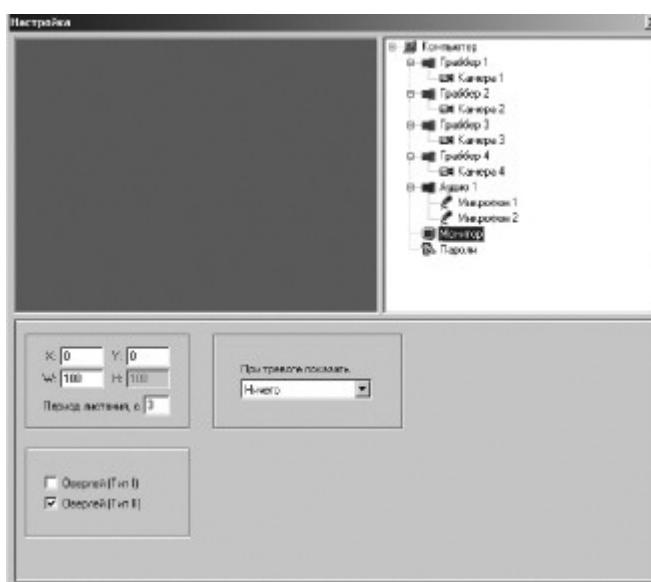


3.2.8



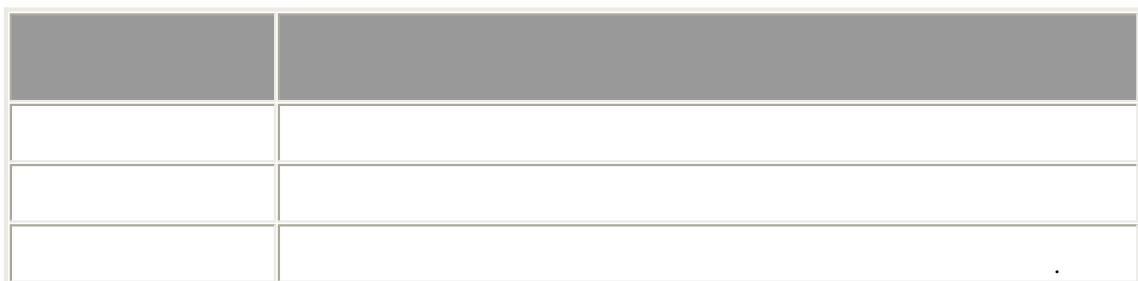
	, Y
	.
	.
	().

3.2.9

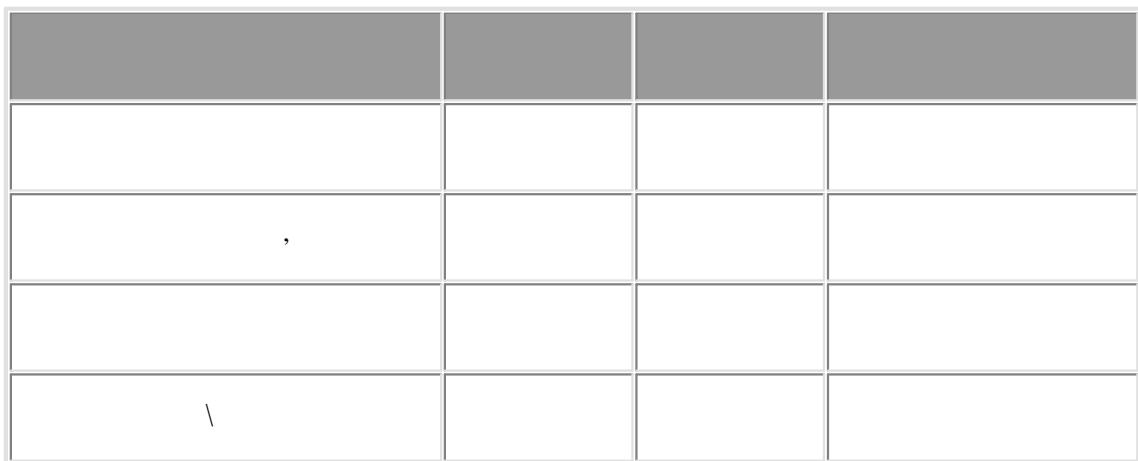


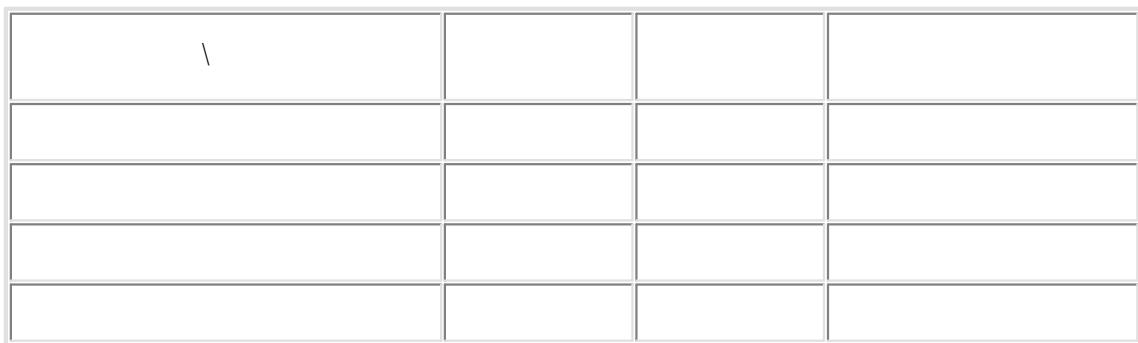
X	(100)
Y	(100)
W (H)	() (100)
(I)	I -
(II)	II -

3.2.10

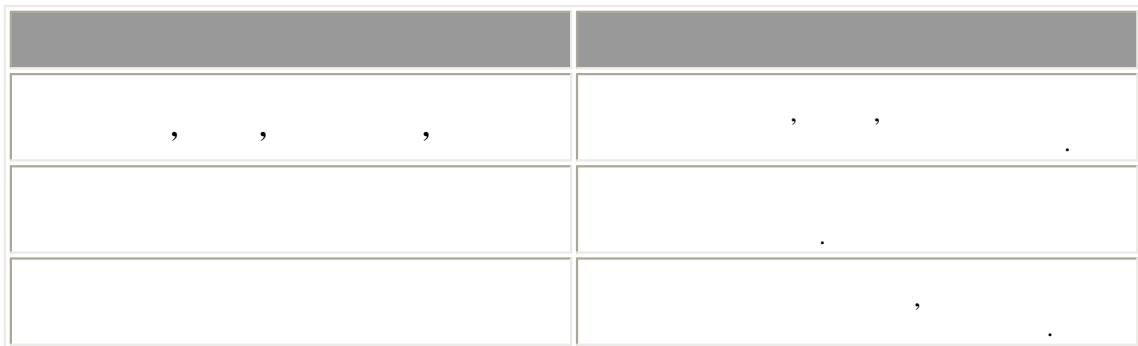
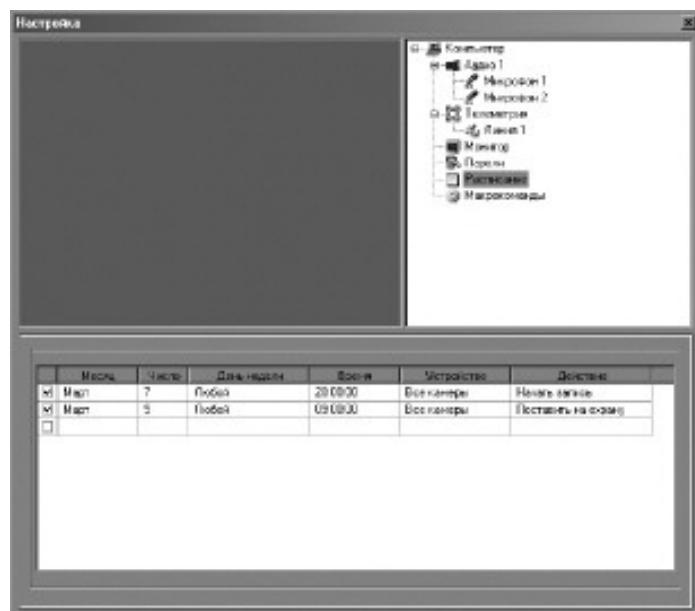


:

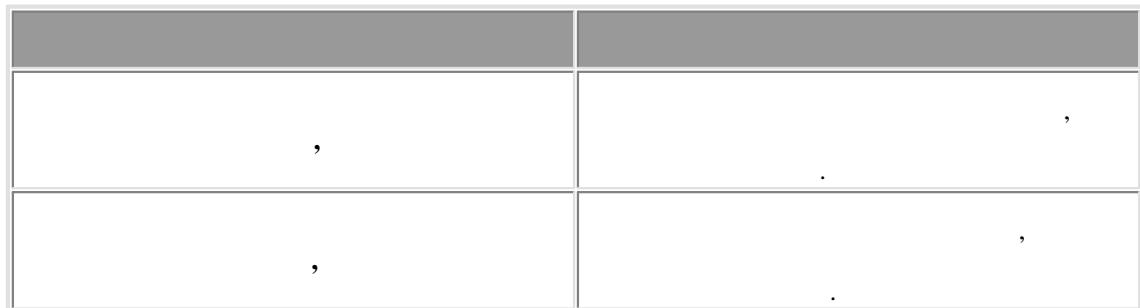
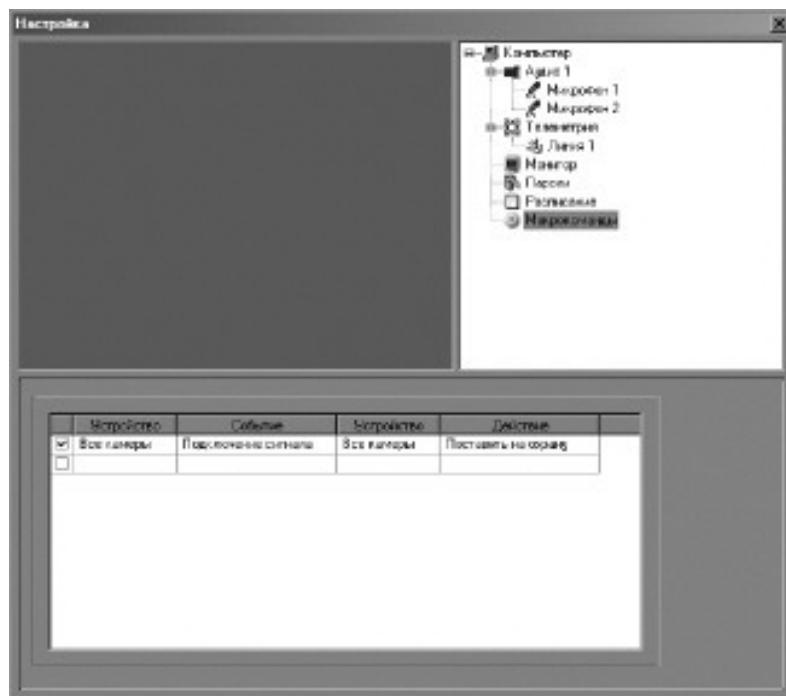




3.2.11



3.2.12



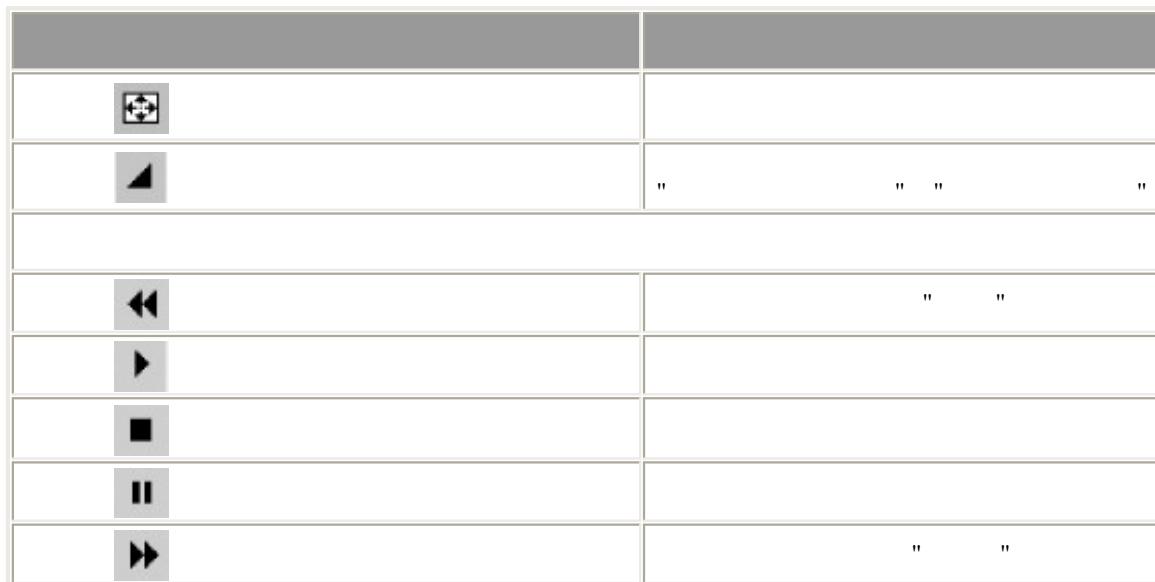
3.2.13 SmartPocketPC

"SmartVideo IP" — SmartPocket PC.

3.2.13.1

"SmartVideo IP" — Smart PocketPC
 Smart PocketPC — Java-
 IP-
 http://10.0.0.33 http://194.85.132.202/video) (http://www.smartvideo.ru/smart/video).

- Windows Mobile 2003 Windows Mobile 2003 SE (VGA);
- 65K;
- - 200 ;
- c (GPRS, Bluetooth, WiFi).
- :
- ;
- ;
- .
- :



3.2.13.2

SmartPocketPC (COPY)

SmartPocketPC:

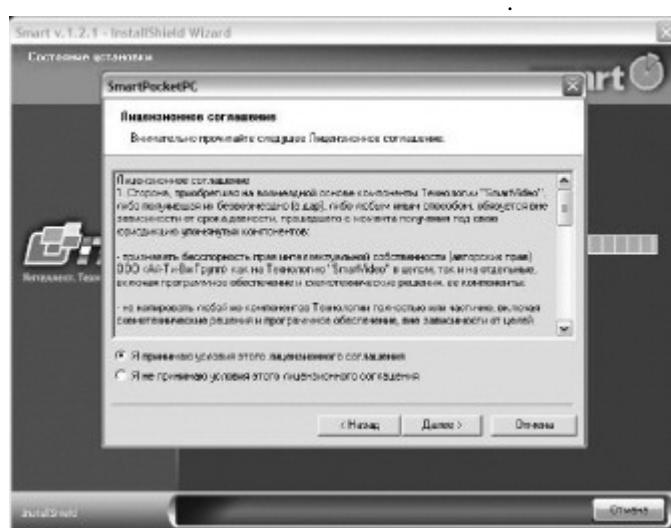
1. " " " Smart PocketPC" (checkbox).

! Microsoft ActiveSync, 3.8 0.

, Microsoft.

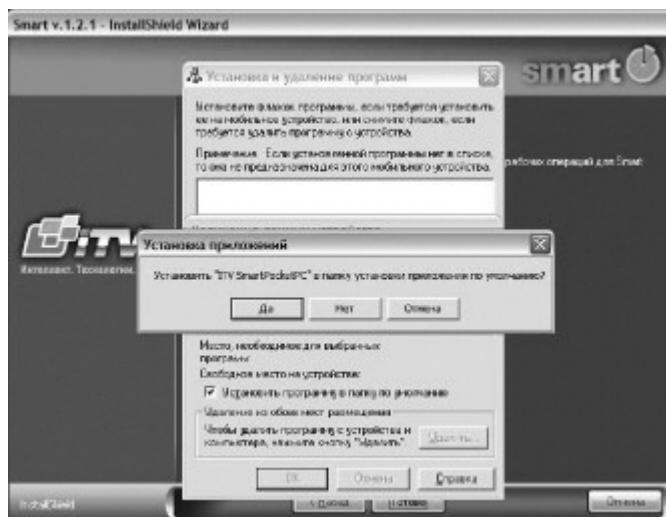
2. " " ,

3.



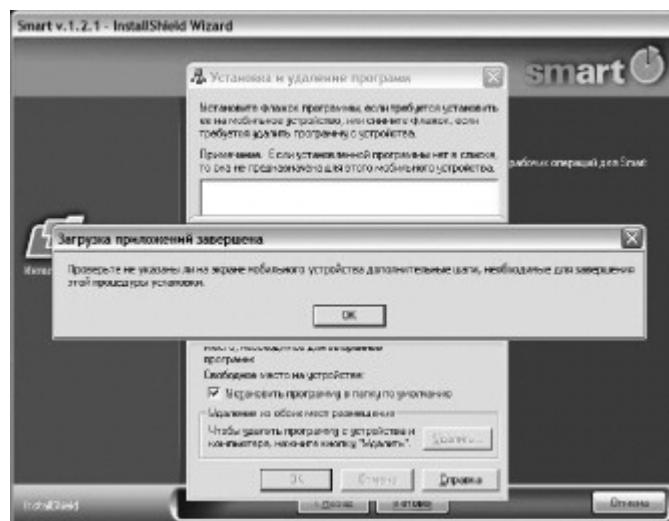
4.

(
)).
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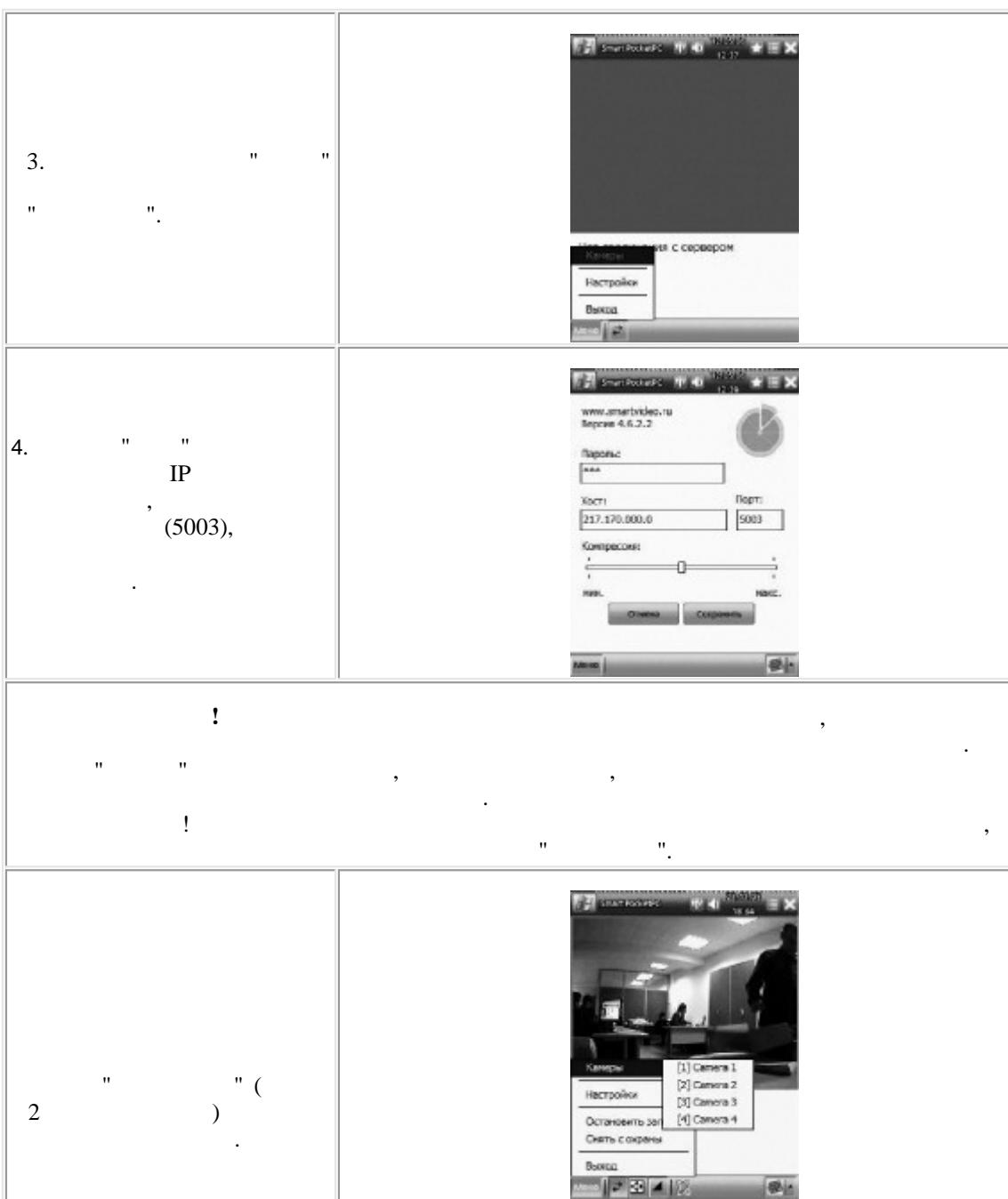
5.

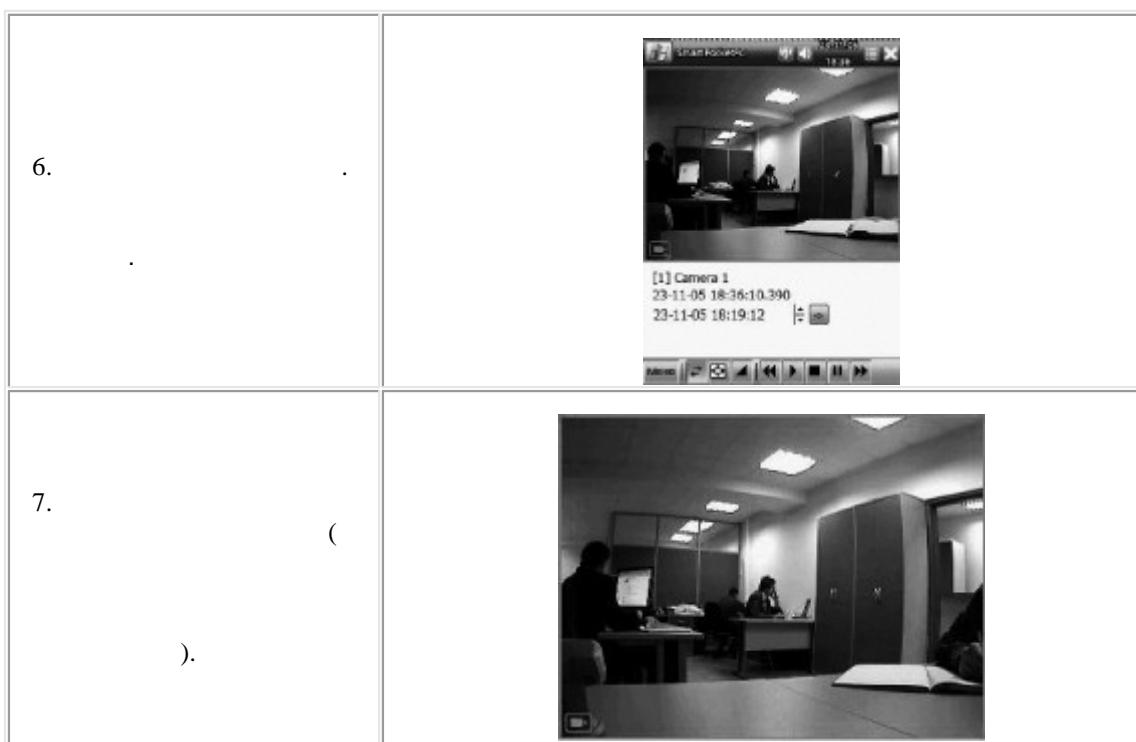
"",



3.2.13.3

1.	"SmartPocket PC". 
2.	





, (), (URL)



Bluetooth, Wi Fi, GPRS.

("SmartVideo"); PocketPC (PDA)

- PDA Bluetooth GPRS "SmartVideo"; q PDA Bluetooth GPRS

Reverse Proxy "SmartVideo";

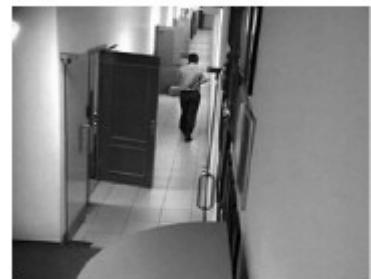
- PDA GPRS Reverse Proxy "SmartVideo";
 - PDA Wi Fi LAN Reverse Proxy "SmartVideo"; q PDA Wi Fi LAN "SmartVideo";
 - PDA Wi Fi "SmartVideo";
 - PDA Bluetooth LAN "SmartVideo";
 - PDA Bluetooth LAN Reverse Proxy "SmartVideo"; q PDA Wi Fi LAN "SmartVideo";
 - PDA Wi Fi "SmartVideo";
 - PDA Bluetooth "SmartVideo".

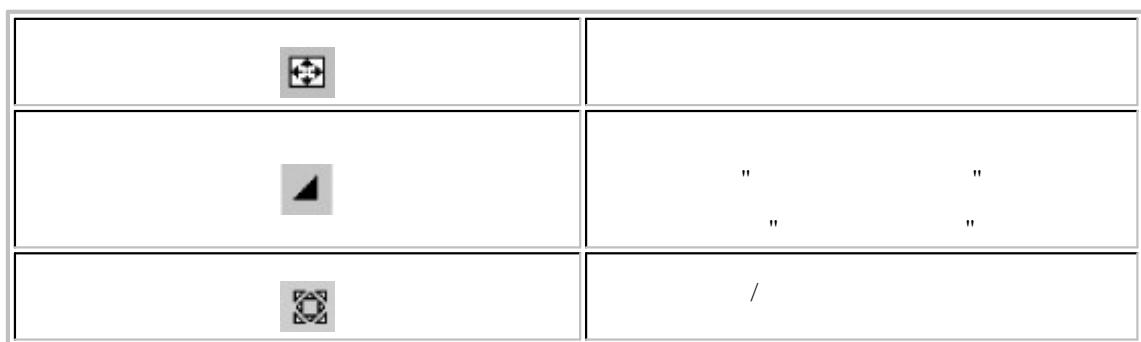
3.2.13.4

SmartPocketPC

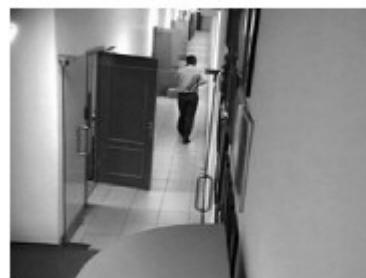
3.2.13.4.1

(> >):

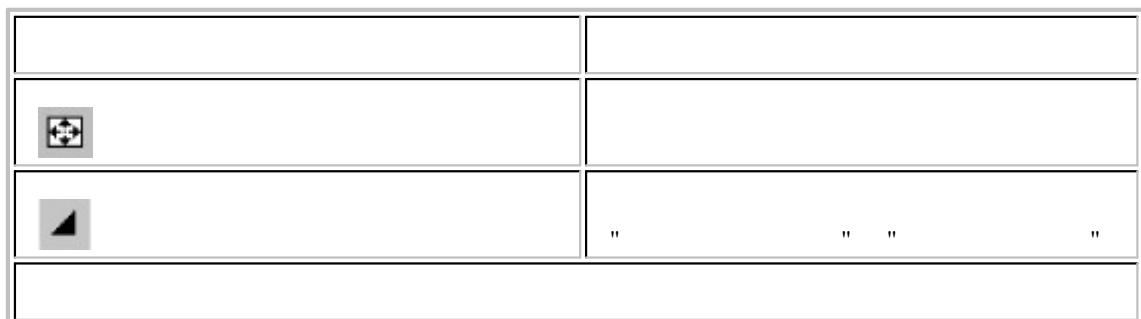


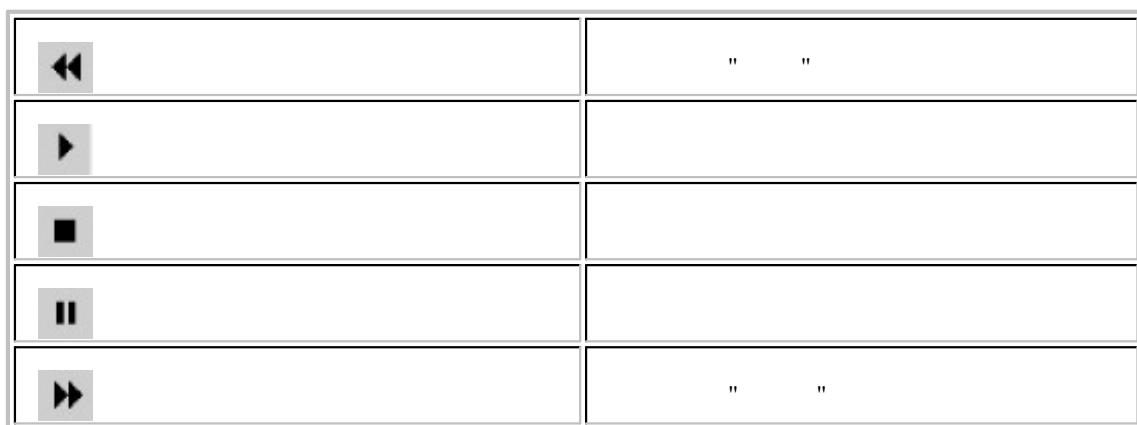


3.2.13.4.2



5/25/05 10:53:06 AM
Menú | | |





3,2,13,4,3

3.2.14 SmartPhone

"SmatVideo IP" SmartPhone.

3.2.14.1

"SmartVideo IP" Smart Phone
Smart Phone - Java-
, IP- (

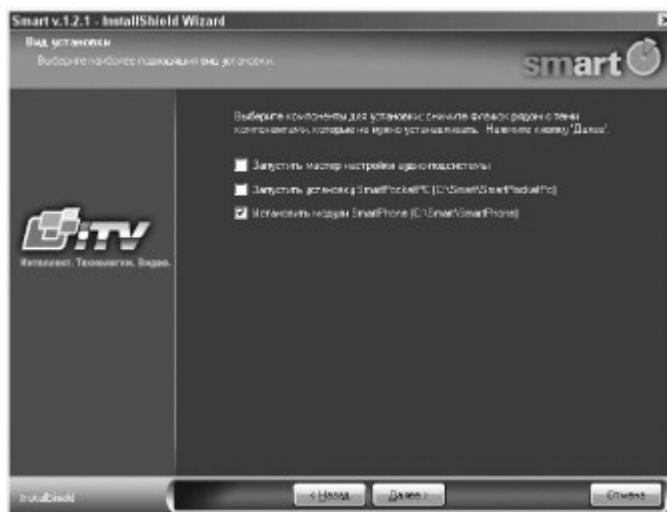
<http://10.0.0.33> <http://194.85.132.202/video> (<http://www.smartvideo.ru/smart/video>).

- Java MIDP 2.0;
 - GPRS (GSM GPRS);
 - (65);
 - 100 100 ().
 - ;
 - ;

GSM.

GSM

3.2.14.2



SmartPocketPC

2

1. (smartphone.jar) Smart \smart\SmartPhone. () smartphone.jar
2. WAP " http://wap.smartvideo.ru Java applet SmartPhone".

wap
Java
"yes" "accept".
"yes".

3.2.14.3

SmartPhone

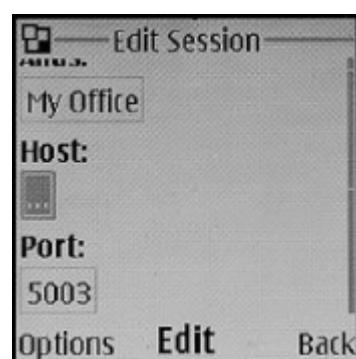
Java

SmartPhone

C



- ## 1. Sessions () ()



"", "", "", "", ..., () , " ", "

" " IP

2. Hallucinations

2. Help () ()

- ### 3. Platform info (MIDP 2.0)

4. **Quit** () SmartPhone

GPRS.

3.2.14.4

1. , , , "SmartVideo".
 , , http://localhost http://127.0.0.

2. IP , (DNS).
 http://[IP] http://[DNS].

3. .
 , , IP , , , .
 , , , , , .

3.2.14.5**SmartPhone**

"Video".

4	/
7	/

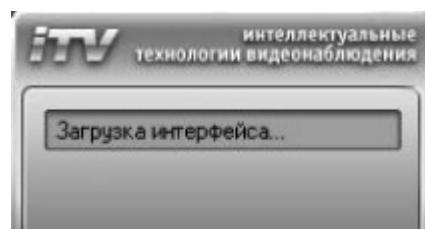
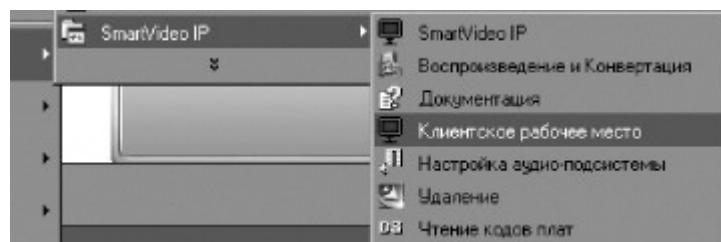
"Archive".

1	
2	
3	
5	
8	\

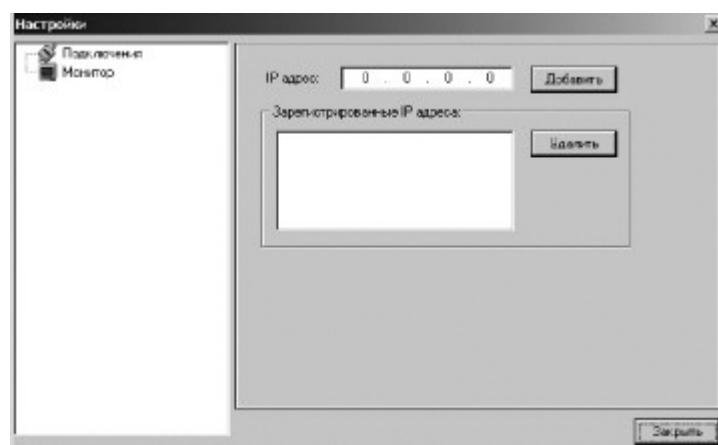
1	
2	
3	
5	
6	
9	

3.2.15

"SmartVideo IP",
"."



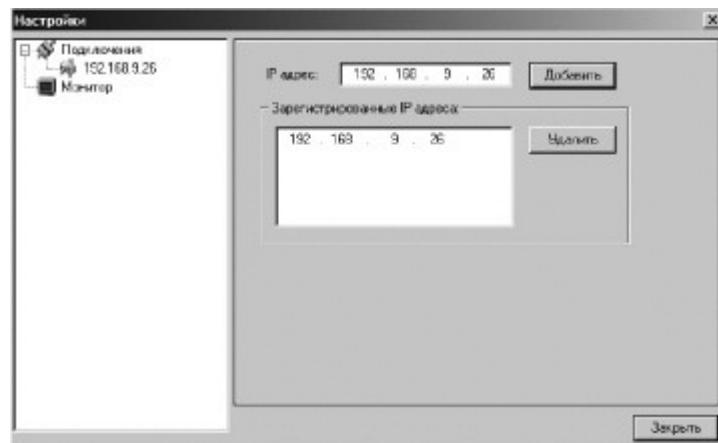
IP-
Windows

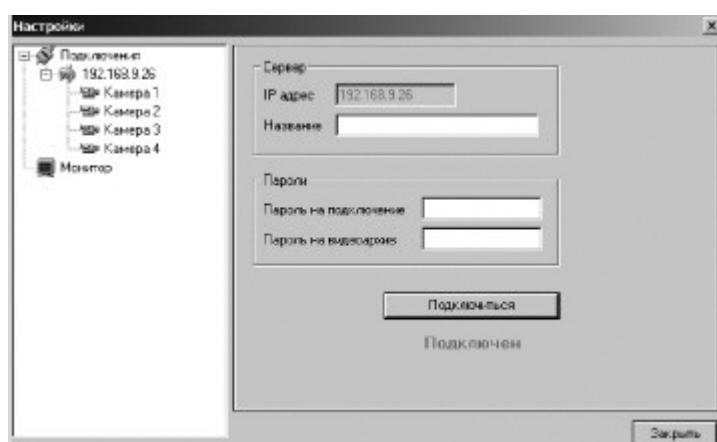
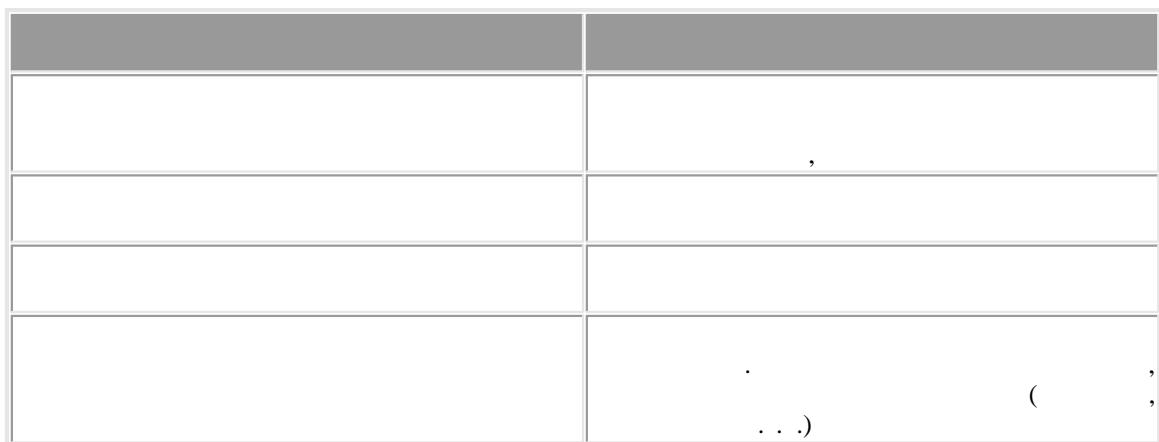
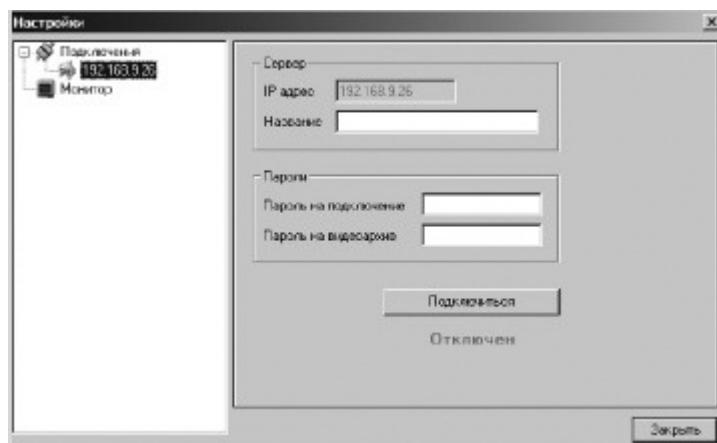
3.2.15.1

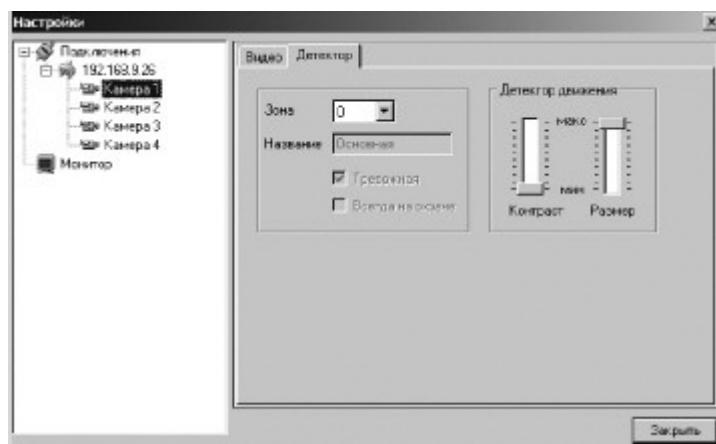
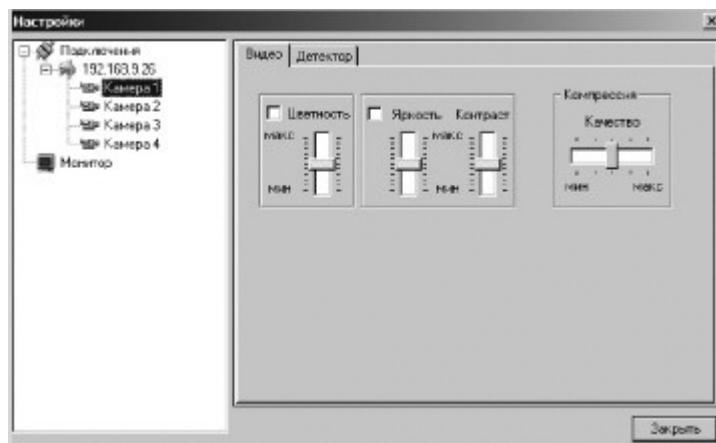
IP

IP	IP
,	,
IP	IP

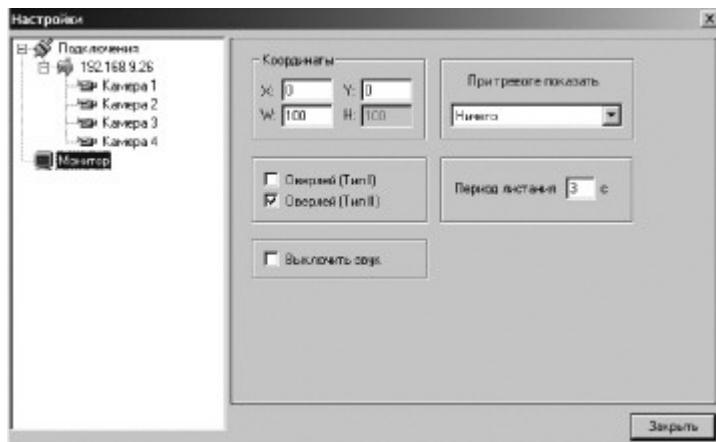
IP ,







3.2.15.2



4

SmartVideo IP

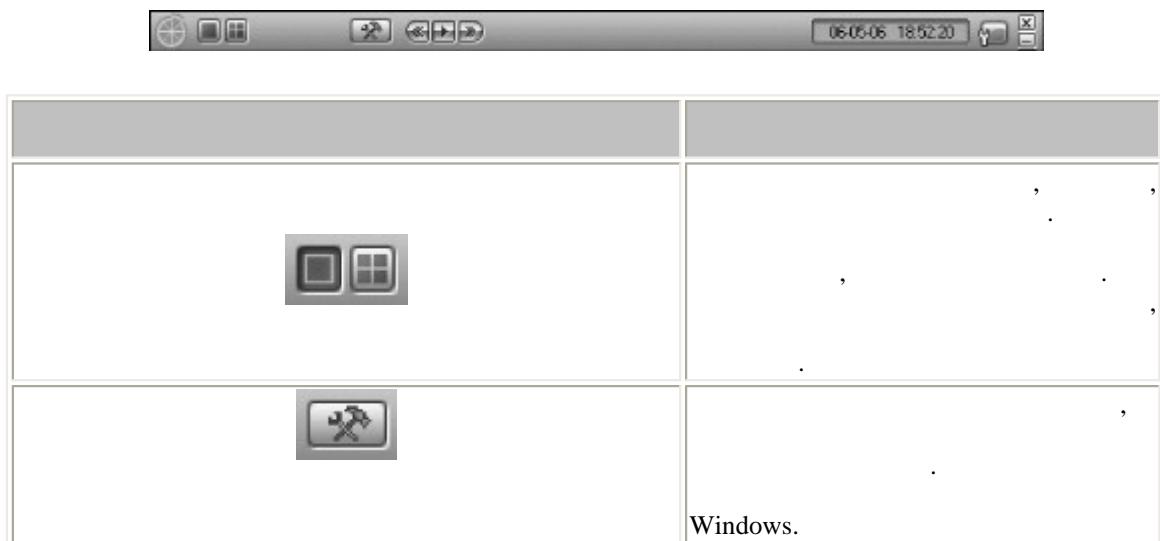
"SmartVideo IP".

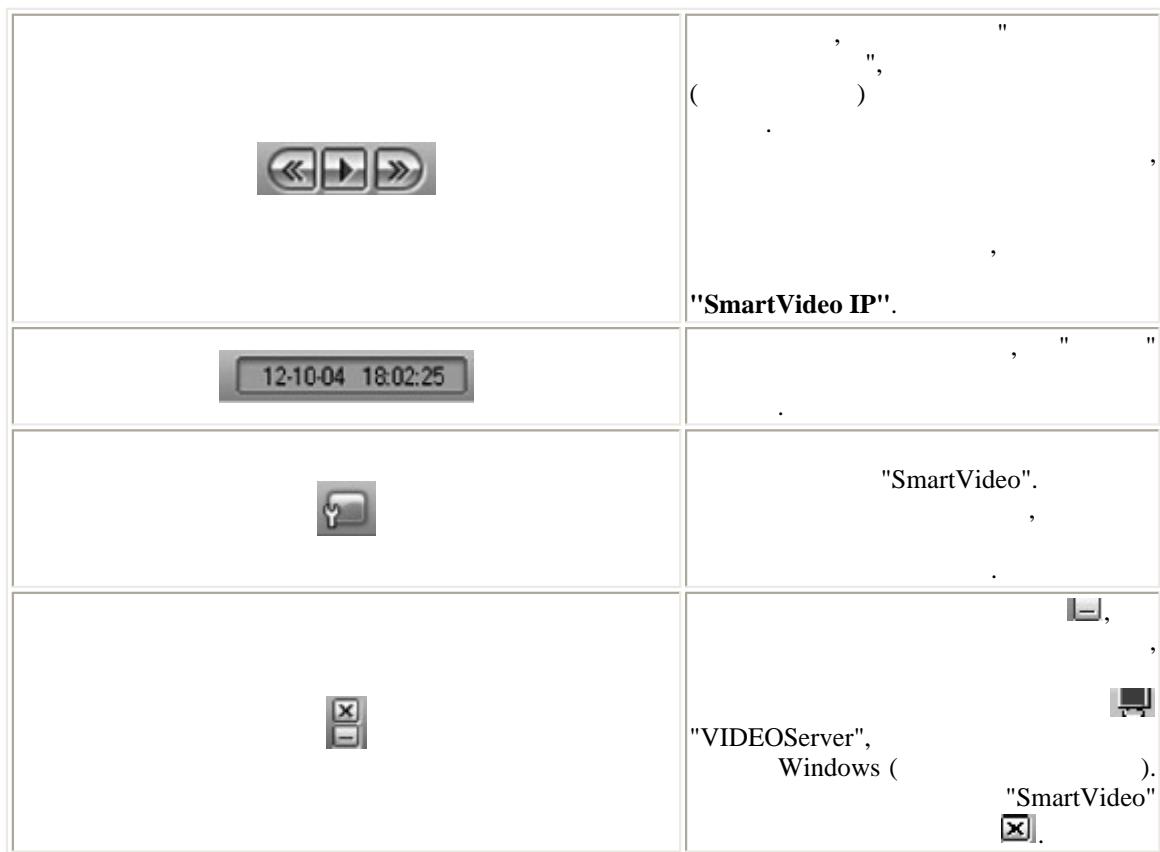
4.1

"SmartVideo IP"



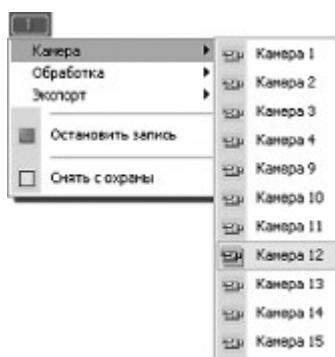
"SmartVideo".

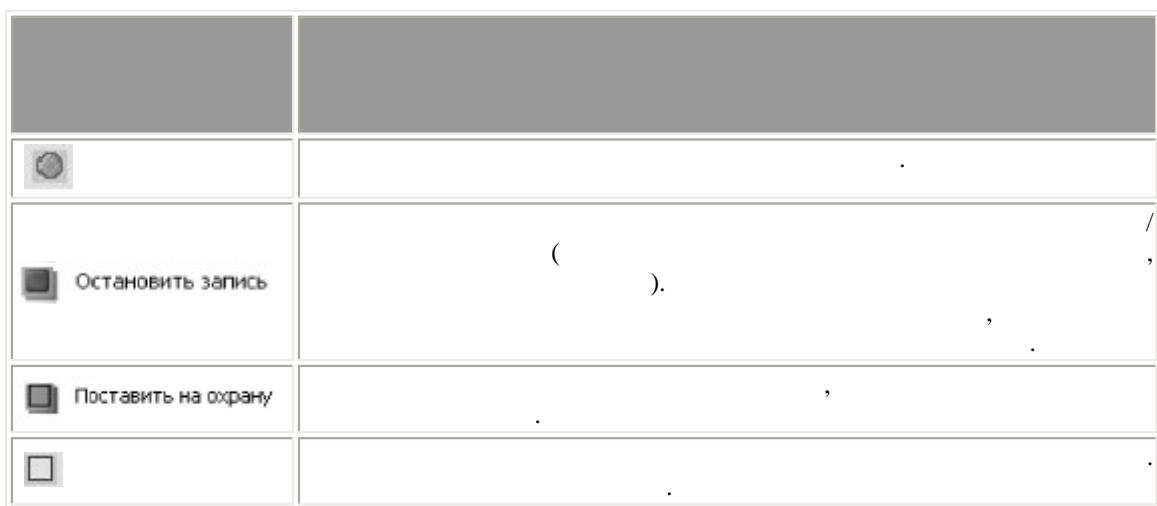




4.2

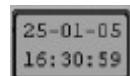
[1]



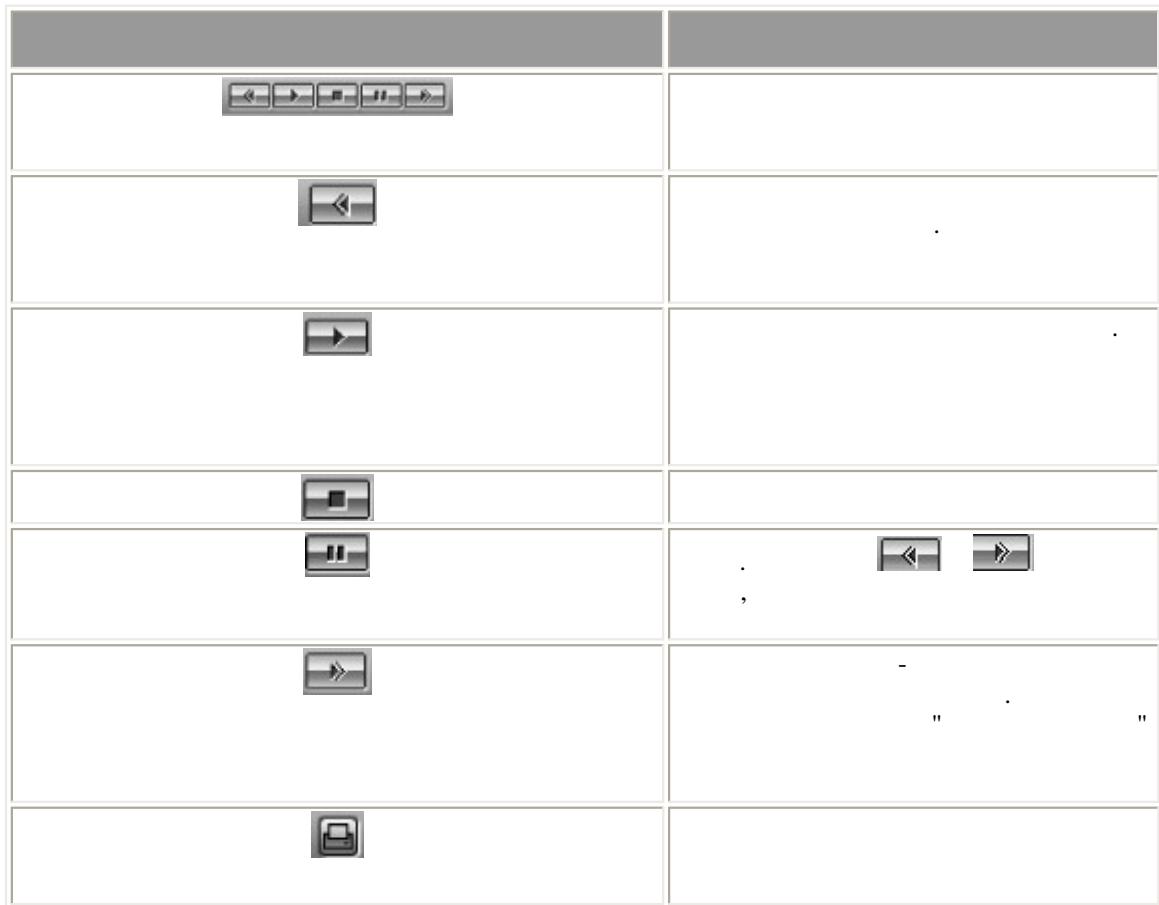


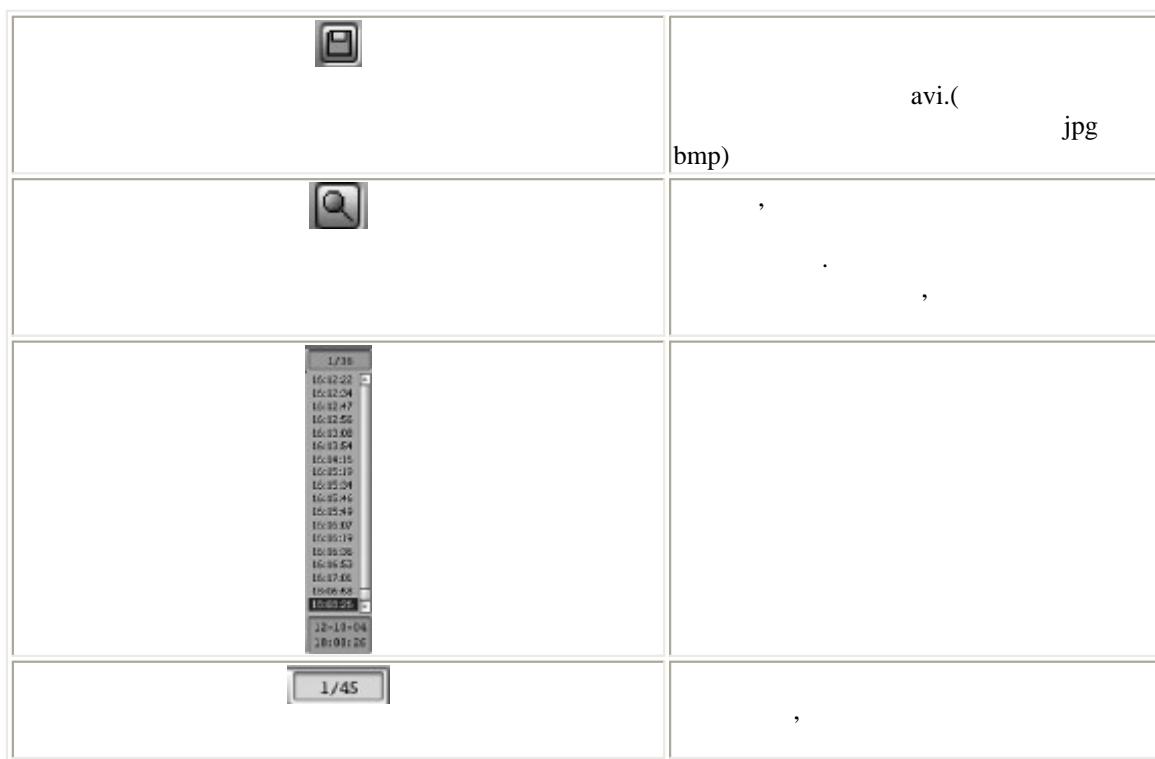
4.3





4.4





4.5

Камера ►	" "
Экспорт ►	" "
 Увеличение	/ , ,
 Контрастирование	()
 Оконтурирование	(/).
	'



4.6

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16
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),
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4.7

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**4.8**

, , , ,

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" " » . , , ,



4.9





4.10





4.11 Web-Server

"Web Server"

Microsoft Internet Explorer.

"WebServer"

Microsoft Internet Explorer,

Netscape 4.7 Opera 6.0.

“SmartVideo”

Web

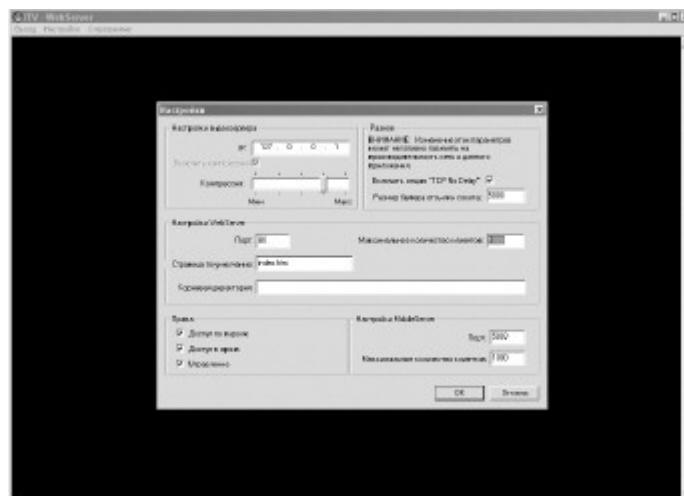
4.11.1

WebServera

Windows:

() : 19:34

"Settings" (" "):



Web Server' .

(Videoserver settings)

IP

(WebServer Settings)

80.

(Default page) - www

- (Root directory)

index.htm.

Smart
WebServer

(Misc)

Turn on "TCP No delay" option - "TCP No delay".

Socket send buffer -

!

!, , , ,

4.11.2

Version	-	-	htm . ()
port.from	html url	url	Html index.htm Url port url,
Port		80	port.from html, .
layout.available	true false	false	, X
top.visible	true false	true	, (X -)
layout.default	0 1 2 3	0	0 1 2 3
cam.default.id		1	"SmartVideo",
url.path.from	url html	url	Html - URL Path htmlurl - URL Path URL, ReverseProxy
url.path	URLpath	/	url.path.from html, URLpath
fs.fps	true false	false	true - FPS
fs.size	true false	false	true -
telemetry.speed	1 10	2	
messages	= - * ...		index.htm ! , .

4.11.3

Java.

(Microsoft)

JVM.

JVM

<http://www.java.com/>

Web-

Internet

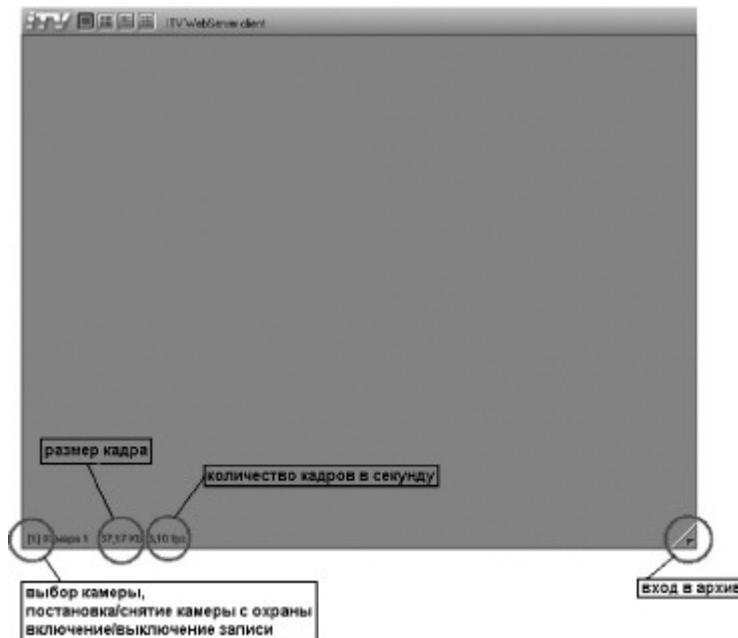
IP , . , IP

, , WebServer, : http://(IP , ,)[:()

).

Modules/webroot

index.htm,
"SmartVideo".
"SmartVideo":

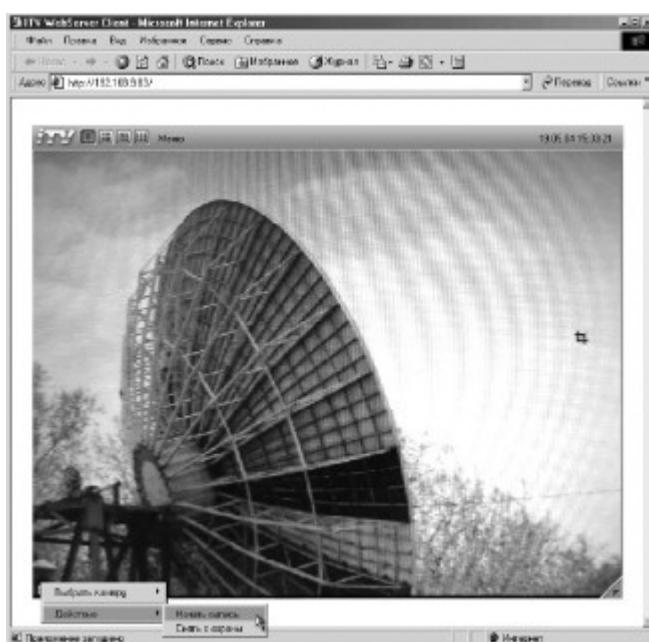


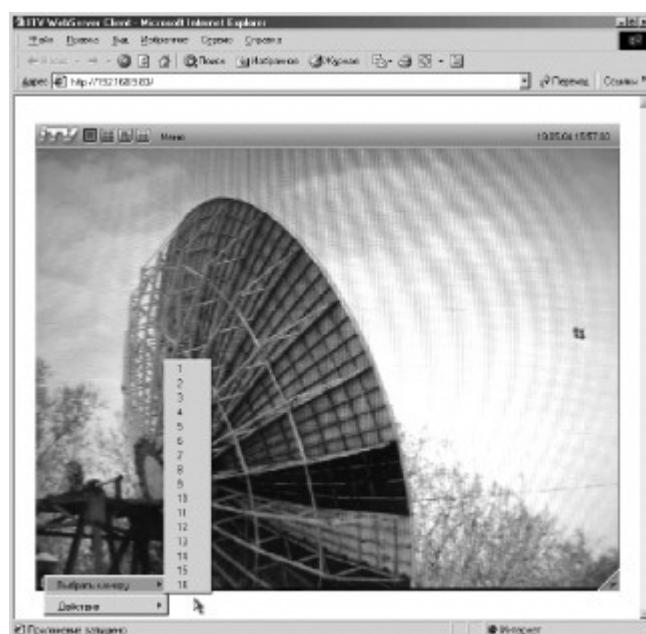
web
index.htm «fs.fps» «fs.size»,

```
index.htm - Блокнот
Файл Правка Формат Справка
<param name="cam.16.name" value="16">
<param name="cam.default.id" value="1">
<param name="archive.available" value="true">
<param name="control.panel.available" value="true">
<param name="top.visible" value="true">
<param name="layout.available" value="true">
<param name="layout.default" value="0">
<param name="control.available" value="true">
<param name="fs.fps" value="true">
<param name="fs.size" value="true">
<param name="port" value="80">
<param name="messages" value="name=ITV WebServer
client*detach=от камеры отсоединен
кабель...*disable=камера отключена...*lastrec=последняя
запись архива*denpy=доступ запрещён*live=живое

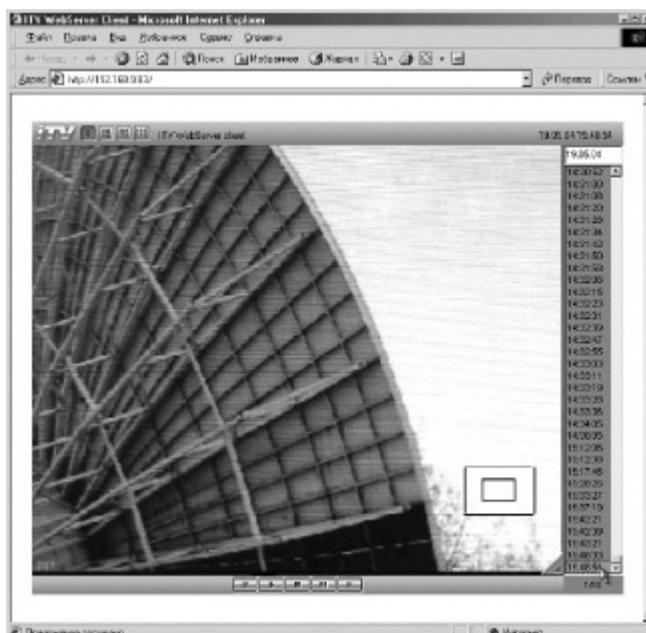
```

web





"SmartVideo":



4.11.4 Web-Server

	(SmartVideo, Video7, Intellect)
 JVM (Java Virtual Machine)	JVM JavaVirtualMachine java , (Microsoft) JVM. JVM. http://www.java.com/
	web ().
	JVM (.). Java Tools > Internet options > Security. (Internet, local intranet, Trusted sites) Security settings Microsoft VM Low safety, Medium safety. Custom Level.
 Internet Explorer	JVM Microsoft http 1. Java Plugin http://www.java.com 2. HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\InternetSettings MaxConnectionsPerServer REG_DWORD - HTTP1.1 (2). MaxConnectionsPer1_0Server REG_DWORD - HTTP1.0 (4). " "+1. http://support.microsoft.com/default.aspx?scid=kb;en-us;183110

4.11.5

0 ... 9	12 : , 1 2
F1 - F4	1, 4, 9, 16
Shift + LeftClick (+RightClick)	
Tab	/
Ctrl + / (+Space, +*, +Leftscroll, +Rightscroll)	, , ,
Ctrl+R / Ctrl+T	/
Ctrl+A / Ctrl+D	/
Ctrl+E	
Ctrl+P	
Ctrl+W	
Ctrl+S / Ctrl+H	/
Ctrl+Tab	
Ctrl+F	

5

5.1

"SmartVideo"

Tools , "SmartVideo".



onverter.exe	,
	"SmartVideo",
Convert.exe	"SmartVideo".
	,
odereader.exe	dallas- guardant' , c
	,
SoundSet.exe	,
	,
Tweakismart.exe	Windows "SmartVideo".
keysmart.exe	Guardant "SmartVideo IP"

5.2

Converter.exe

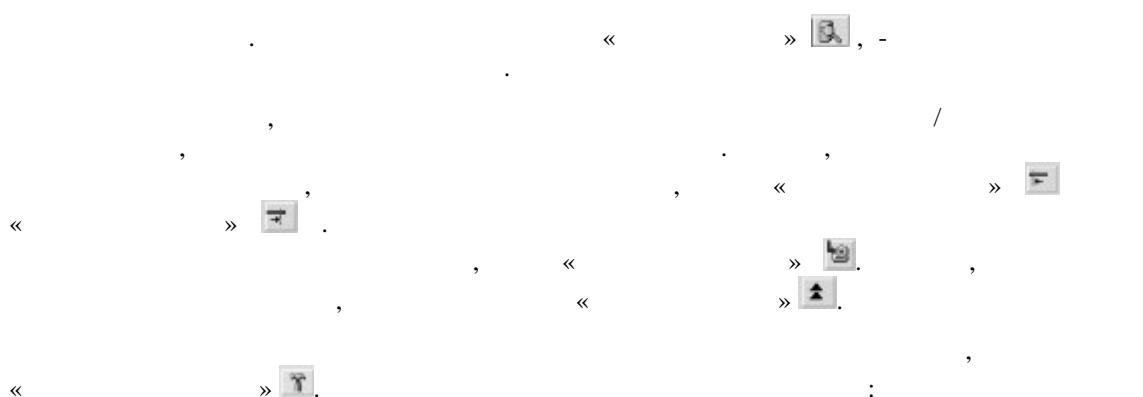
, convert.exe (.). converter.exe – MPEG,
DivX, MP3 .



5.2.1

(HDD, CD,
VIDEO AUDIO.)

5.2.2



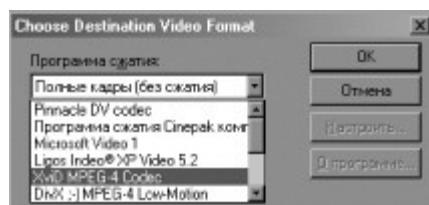
, «\Backup), — ((650), C:

"SmartVideo"

: « » («Bitmap»), («Jpeg»).

, « » , , « AVI ».

« » (« »),



1 2

13.08.2004 18:00:02:



1. Камера 1 « ».

2. ()

2. ,
« »
19.08.2004 11:33:27 22.09.2004 17:16:42

3.



« » 2 ,



4.

:



4.

:



5.

() « » () .



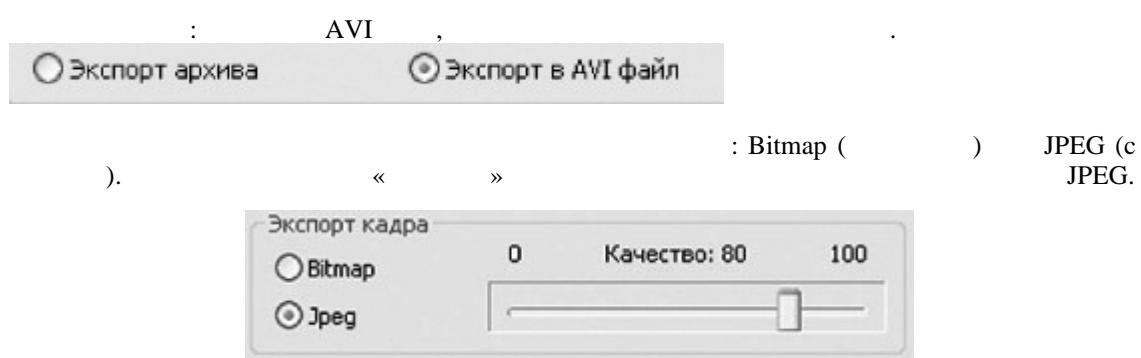
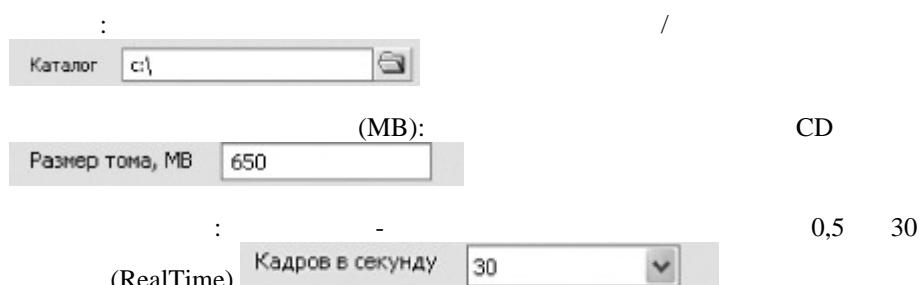
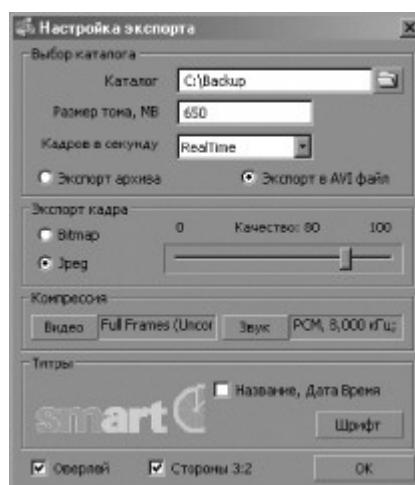
()
1 4
, , ,
, , ,
().



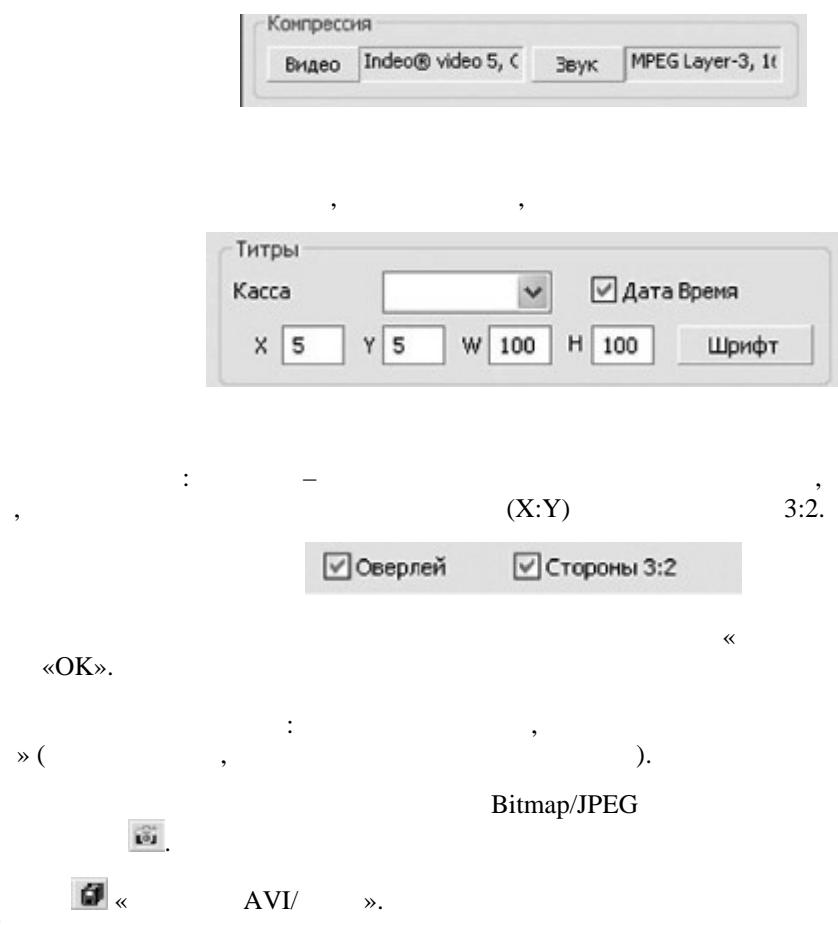
6.

« »

, , ,



AVI
«Indeo Video 5».



5.3

Convert.exe

```
( ),  
convert.exe  
  
,  
VIDEO , , « »  
convert.exe.  
VIDEO  
converter.exe
```

```
C:\Windows\System32\cmd.exe - convert.exe  
C:\Smart\Tools>convert.exe  
Converting Video Database to v4.5  
Drive C:\Video...  
    Converting Folder C:\Video...  
Drive D:\Video...  
    Converting Folder D:\Video...  
Drive E:\Video...  
    Converting Folder E:\Video\09-11-04 19...  
Converting E:\Video\09-11-04 19\0..01...  
    Converting Folder E:\Video\10-11-04 14...  
Converting E:\Video\10-11-04 14\0..01...  
Converting E:\Video\10-11-04 14\1..01...  
Converting E:\Video\10-11-04 14\2..01...  
Converting E:\Video\10-11-04 14\3..01...  
    Converting Folder E:\Video\11-11-04 13...  
Converting E:\Video\11-11-04 13\0..01...  
Converting E:\Video\11-11-04 13\1..01...  
Converting E:\Video\11-11-04 13\10..01...  
Converting E:\Video\11-11-04 13\11..01...  
Converting E:\Video\11-11-04 13\12..01...  
Converting E:\Video\11-11-04 13\13..01...  
Converting E:\Video\11-11-04 13\14..01...  
Converting E:\Video\11-11-04 13\15..01...  
Converting E:\Video\11-11-04 13\16..01...
```

5.4

dallas-

Codereader.exe

codereader.exe dallas-
dallas- Guardant' .

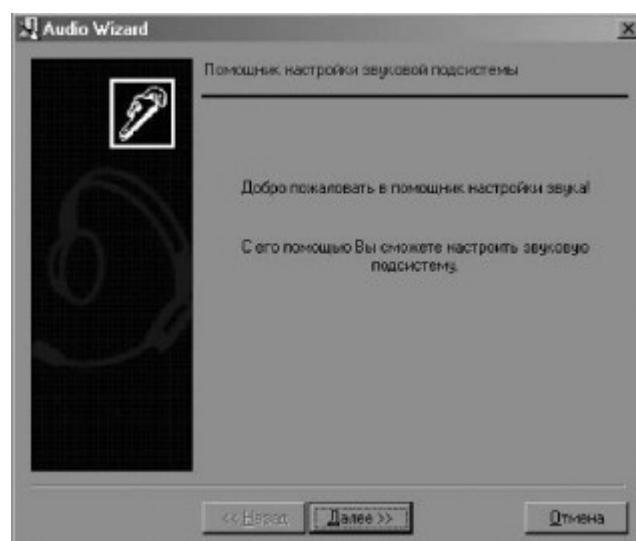
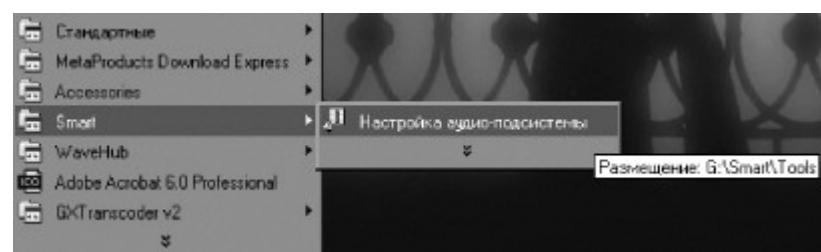
ITV FS-1, FS-3, FS-4, FS-5, FS-6, WS-4, WS-6
codereader.exe,
Guardant Stealth/Net USB Dongle,
- dallas- .



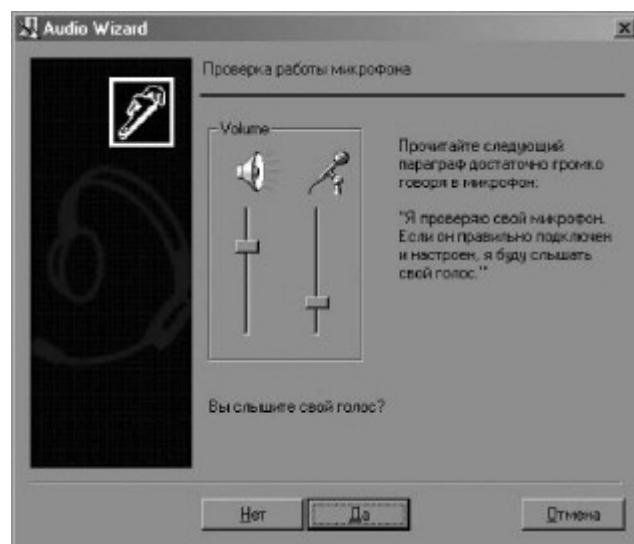
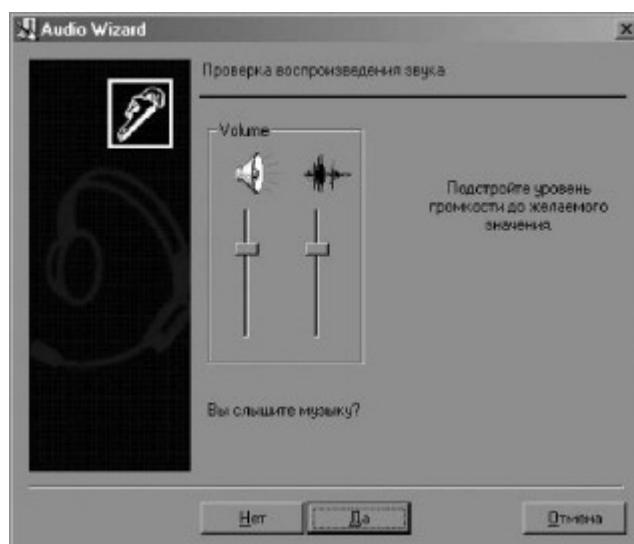
5.5

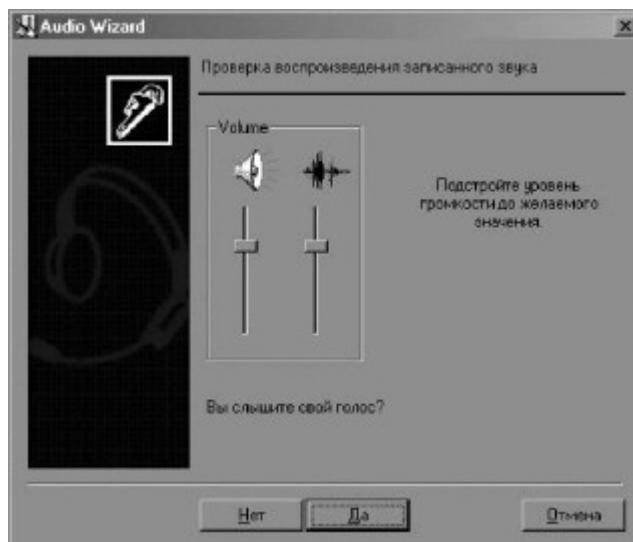
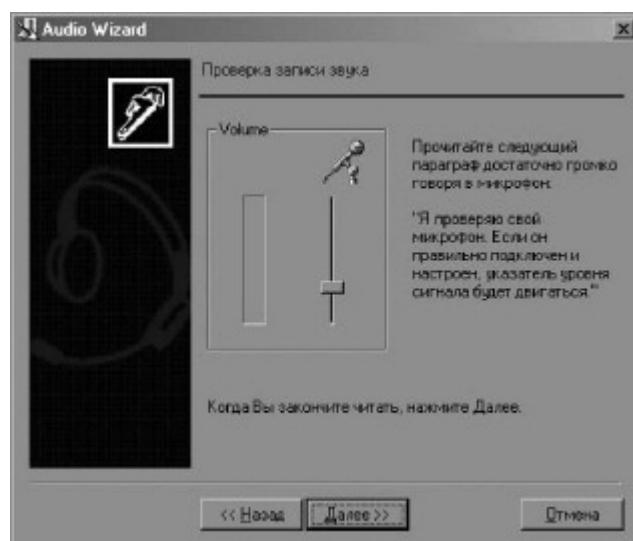
SoundSet.exe

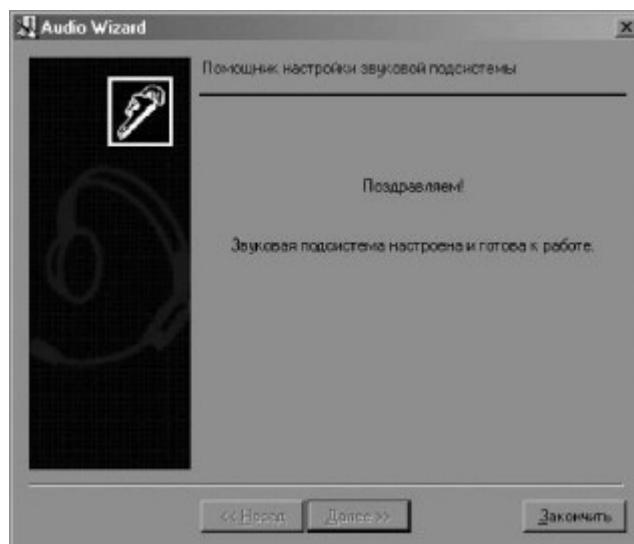
,
(
:
,
,
Windows,
" --> "
"Smart" --> "
":



Windows.







5.6

Tweakismart.exe

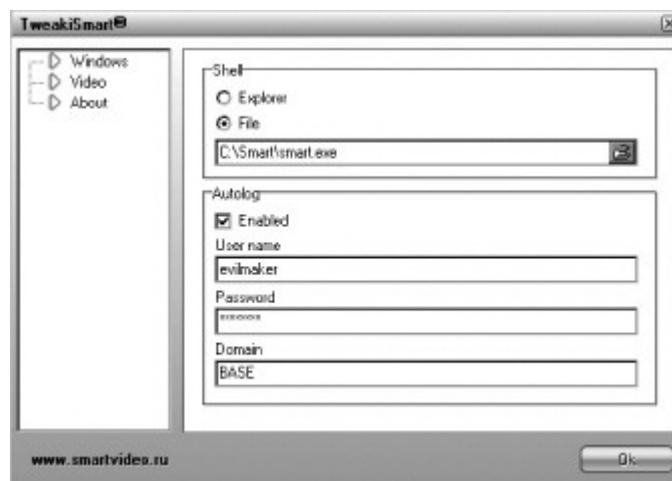
(! HKLM/SOFTWARE/ITV HKCU/SOFTWARE/ITV).

tweaksmarti.exe.

5.6.1

"Windows"

"Windows"



"Shell"

Explorer

Windows.

"File"

: C:\\$mart\smart.exe.



"Autolog"

User name,

Password

"Enabled",
Domain.

;

5.6.2

"Video"

Export,

"Other"



"Open"

"Rebuild index",

5.7

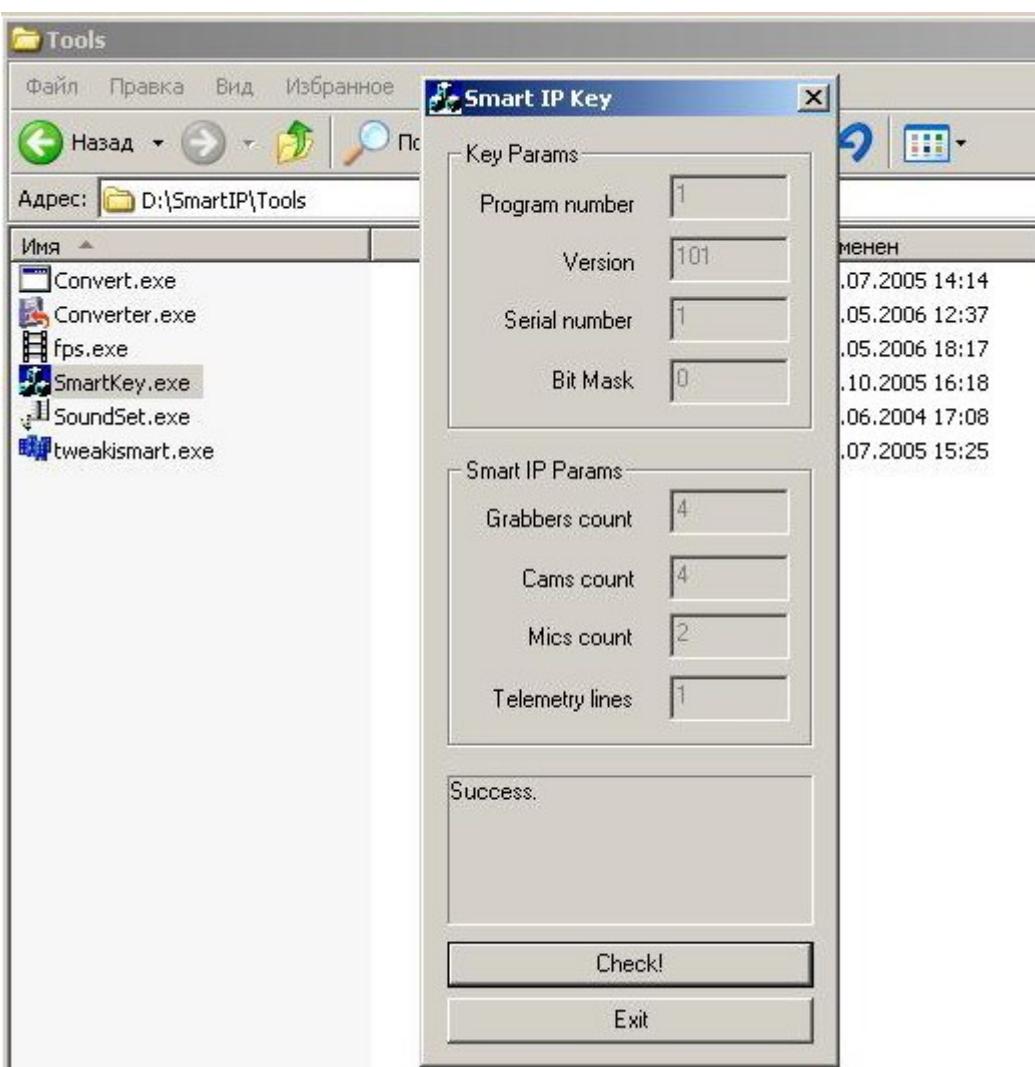
Guardant

SmartKey

Guardant

"SmartVideo IP"

Guaddant



6

SmartVideo IP.

6.1

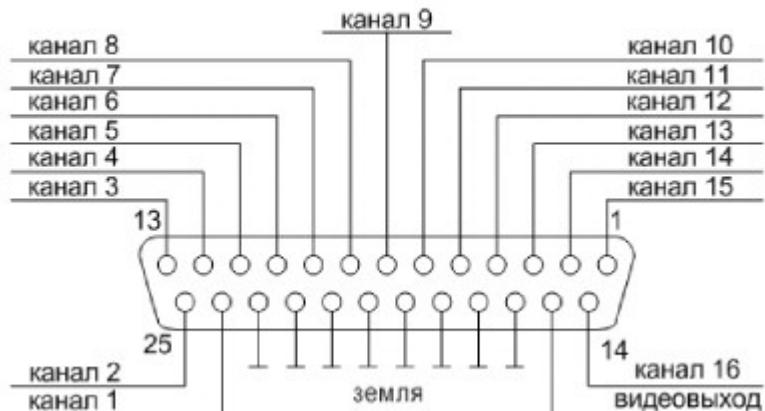
FS-1, FS-4



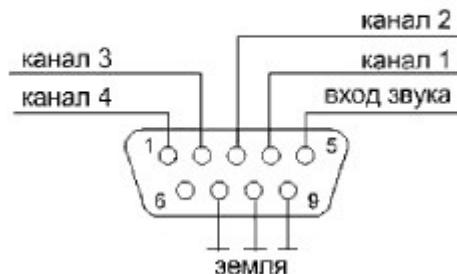
	PCI 32 bit / 33 MHz	PCI 32 bit / 33 MHz, PCI 66/X
	3,3 5	3,3 5
	2	3
	1 , 75	1 , 75
	4	16
	PAL, NTSC	PAL, NTSC
	PAL:“352 x 288, 704 x 288” NTSC:“320 x 240, 640 x 240”	PAL:“352 x 288, 704 x 288” NTSC:“320 x 240, 640 x 240”
	16 . 256	16 . 256
	4	16
" "	1	4
	25 / (PAL) 30 / (NTSC)	25 / (PAL) 30 / (NTSC)
,		
,		
Watchdog		
	8	8

6.2

Подключение видео (D-SUB 25)



Подключение видео (D-SUB 9)



6.3

Нéñòâí à "SmartVideo IP"

Windows 2000	1. 2. 3.	(IRQ) AGP (IRQ), PCI	PCI-
	,	PAL, "SmartVideo IP" ,	NTSC. PAL , NTSC.
,	" , "		"
.	,	,	,
.	"SmartVideo IP".	,	
.	,	"SmartVideo IP". ,	PAL, NTSC.
.	,		"IP "
.	,		

	<p>1.</p> <p>"SmartVideo IP".</p> <p>IP- , !</p> <p>2.</p> <p>, .</p> <p>(cmd, --> IP- ... --> Windows</p> <p>-]). ping [ip-</p> <p>! .</p> <p>3.</p> <p>", - , ,</p> <p>.</p>
--	--

6.4

"SmartVideo IP"

	- 4. - 1. , 4, "SmartVideo", " 7".
	"SmartVideo IP"
"SmartVideo IP" ?	.
 ?	"SmartVideo IP "
 ?	Windows 2000 (SP3), Windows XP (SP1).

	: , 10 , 10 24	12,5 24
	,	Motion JPEG MPEG.
	,	,
	,	,
	,	,
	,	,
	,	(,)
	"SmartVideo IP" ? ? ? ?	: PAL NTSC.

	,
	2, 4, 8, 16
"SmartVideo IP" ?	4
	" 7".
	"SmartVideo IP" 1. 2. (). 3.
	avi, jpg bmp. Windows?

	"SmartVideo IP" ?	" ".
	" ".	"SmartVideo IP" ?, "
	2 , ?	,
	(, / , .)?	"Video7" " ".
	(WatchDog)?	
	, Speed Dome?	,
	?	"Video7" " ".

	"SmartVideo"?
	"SmartVideo" ,
	"SmartVideo"?
	"SmartVideo" .
	Internet, ?
	web ,
	"SmartVideo IP" - (,) , ?