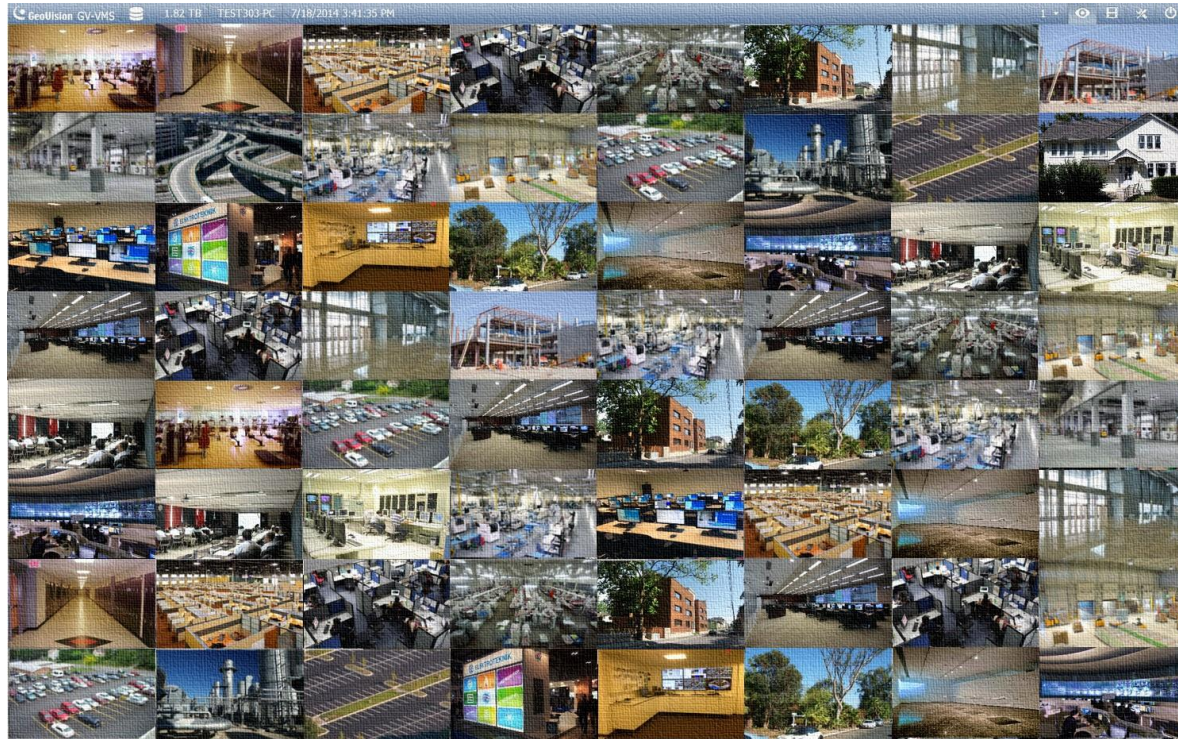


GV-VMS V14.10



فهرست

- نرہ افزار GV-VMS چیست؟
- سیستم مورد نیاز
- سیاست لایسنس
- ویژگی های اصلی
- یک مثال راه اندازی

نرم افزار GV-VMS چیست؟

نرم افزار مدیریت ویدئویی که روی سرور ویندوز کار می کند، بستری برای پایش ویدئویی، آنالیز و ضبط فراهم می آورد.

GV-VMS	Version	14.	1.0
---------------	----------------	------------	------------

14 → Year (2014)

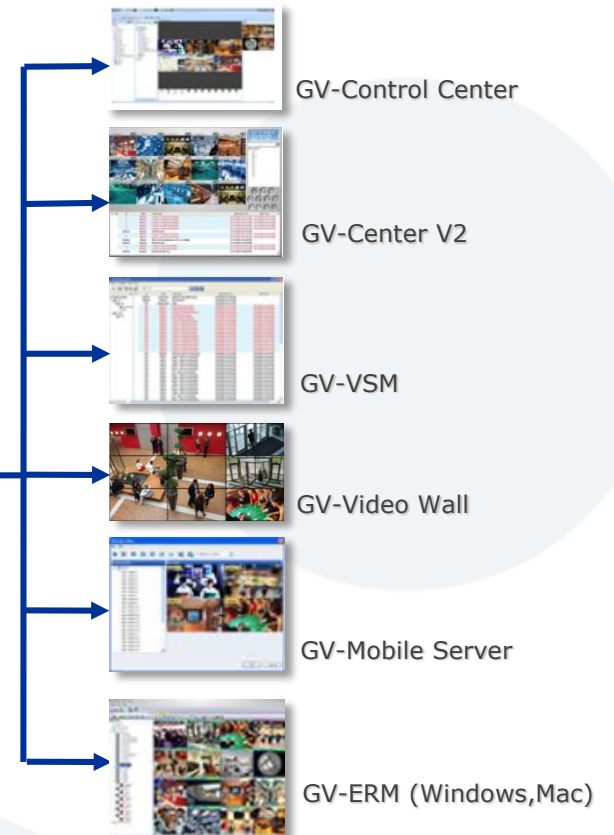
1.0 → Official release version number



64 CHs

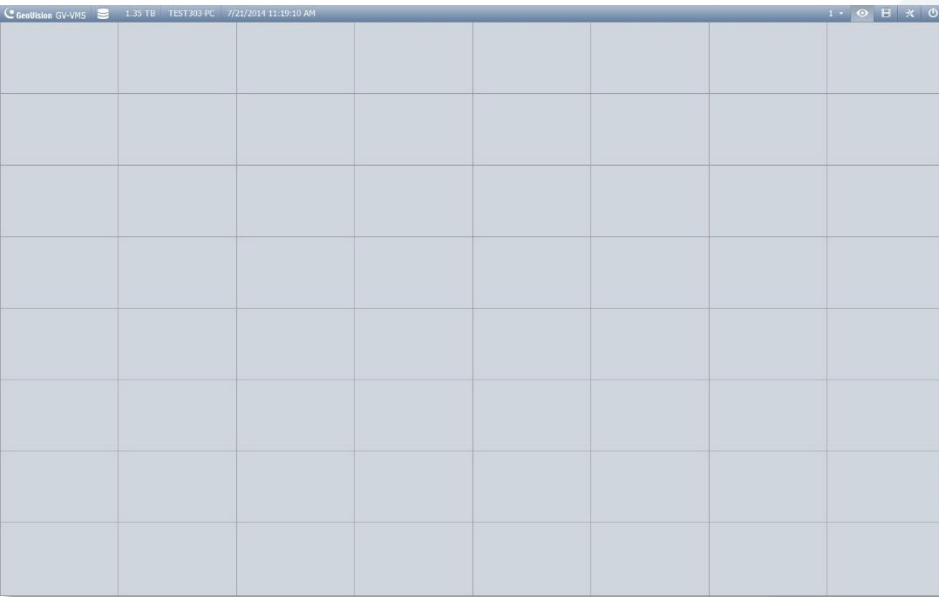


Network

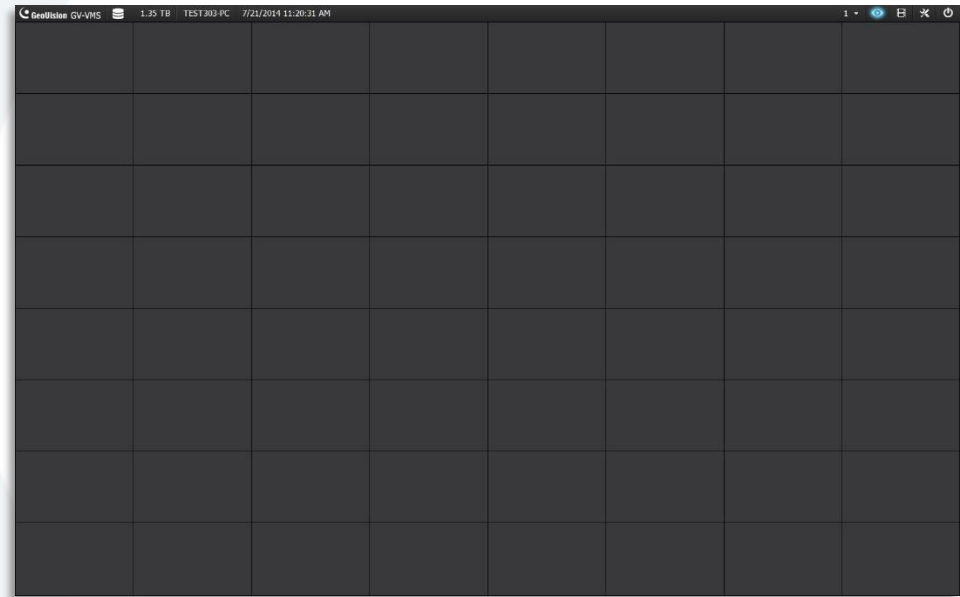


ظاهر




در نرهِ افزار GV-VMS دو ظاهر زیر قابل انتخاب است. نام های این دو طراحی ظاهری، (Light) روشن و (Black) سیاه است.



Light Style (Default)



Black Style

Model		GV-VMS
GeoVision and 3 rd party IP Camera Supported		UP to 64 Channels
OS Supported	64-bit	Windows 7 / 8 / 8.1 / Server 2008 R2 / Server 2012 R2
Protocol Supported		  
Language		22 Multi-Languages Bulgarian / Czech / Danish / English / French / German / Greek / Hebrew / Hungarian / Italian / Japanese / Persian / Polish / Portuguese / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Traditional Chinese / Turkish

Note: Non support Capture Card, POS, Wiegand.

سیستم مورد نیاز

Total Frame Rate Supported

■ 64 CHs – Intel Core i7-4770 (3.4 GHz), 8G RAM

Codec	Full-Frame Channels Supported	Resolution	Bitrate	Total FPS Supported	CPU Usage (%)	Virtual Memory Usage (MB)	Physical Memory (MB)
H.264	64 CHs (Dual Stream)	1.3 MP (1280 x 1024)	5.05 Mbps	1920	30	3509	2910
		2 MP (1920 x 1080)	7.01 Mbps	1920	40	4261	3060
		3 MP (2048 x 1536)	10.48 Mbps	1280	34	3374	4020
		5 MP (2560 x 1920)	16.48 Mbps	640	39	3295	2900

■ 32 CHs – Intel Core i3-4130 (3.4 GHz), 4G RAM

Codec	Full-Frame Channels Supported	Resolution	Bitrate	Total FPS Supported	CPU Usage (%)	Virtual Memory Usage (MB)	Physical Memory (MB)
H.264	32 CHs (Dual Stream)	1.3 MP (1280 x 1024)	5.05 Mbps	960	41	2079	1980
		2 MP (1920 x 1080)	7.01 Mbps	960	52	2084	2040
		3 MP (2048 x 1536)	10.48 Mbps	640	43	2050	2000
		5 MP (2560 x 1920)	16.48 Mbps	320	61	2089	2060

محدودیت های هارد دیسک

ممدوه فریم ریت روی یک هارد دیسک هنگام اتصال به دوربین های تمت شبکه.

Video Resolution	H.264	
	Frame Rate	Bit Rate
1.3 MP (1280 x 1024)	660 fps	5.05 Mbit/s
2 MP (1920 x 1080)	660 fps	7.01 Mbit/s
3 MP (2048 x 1536)	440 fps	10.48 Mbit/s
4 MP (2048 x 1944)	330 fps	11.65 Mbit/s
5 MP (2560 x 1920)	220 fps	16.48 Mbit/s

Note: The data above was determined using the bit rate listed above and hard disks with average R/W speed above 110 MB/s.

H.264: \\192.168.0.60\Hardware Team\01_Product Test result\Others\040114.GV-IPCAM Video Source\02_
 動態(大bit rate)場景

MJPEG: \\192.168.0.60\NVR Team\3. GV-Simulator\0829_TestSample

سیاست لایسنس

Supported Devices	Channels	License
GV IP Devices Only	32 ch	No license required.
	64 ch	GV-VMS Pro license required, 32 ch per license.
GV + 3rd-Party IP Devices	32 ch	3rd-Party license required, in increments of 1 ch.
	64 ch	GV-VMS Pro license required, 32 ch per license. 3rd-Party license required, in increments of 1 ch.

Camera Install:

<input checked="" type="checkbox"/>	61	●	192.168.8.99	10044	1920X1080(H264) / 448X252(H264)	14316 / 3373 kbps	GeoVision_GV-BL110D_Series	
<input checked="" type="checkbox"/>	62	●	192.168.8.99	10045	1920X1080(H264) / 448X252(H264)	14316 / 3373 kbps	GeoVision_GV-BL110D_Series	
<input checked="" type="checkbox"/>	63	●	192.168.8.99	10046	1920X1080(H264) / 448X252(H264)	14371 / 3373 kbps	GeoVision_GV-BL110D_Series	
Active camera count :		64	Bitrate(Main/Sub/Total) :		849.5/169.6/1019.2 Mbps		License(GV/Others) :	64/64 (MAX : 64)

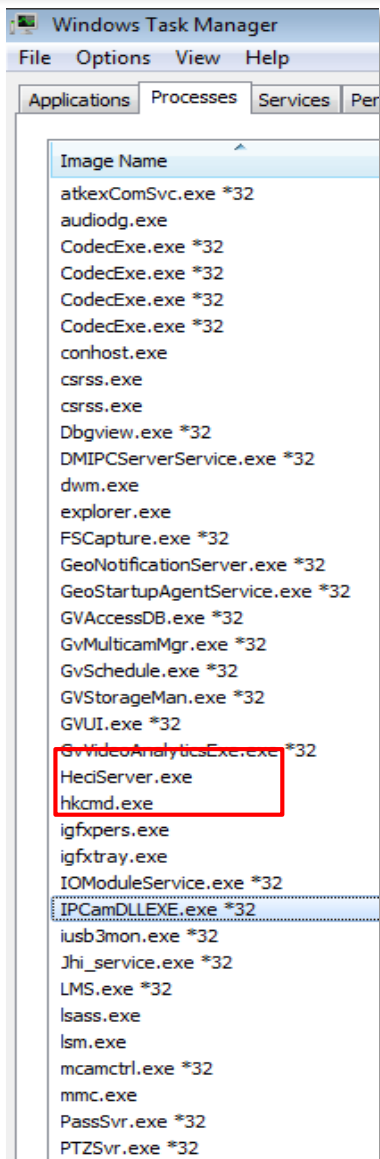
ویژگی های اصلی

پایش Monitoring – کدگشایی GPU Decoding و اعوجاج گیری Dewarping

✓ چیپ ست سندی بریج تنها از کدگشایی GPU ویدئوهای با کیفیت ۱.۳ تا ۲ مگاپیکسل پشتیبانی می کند.

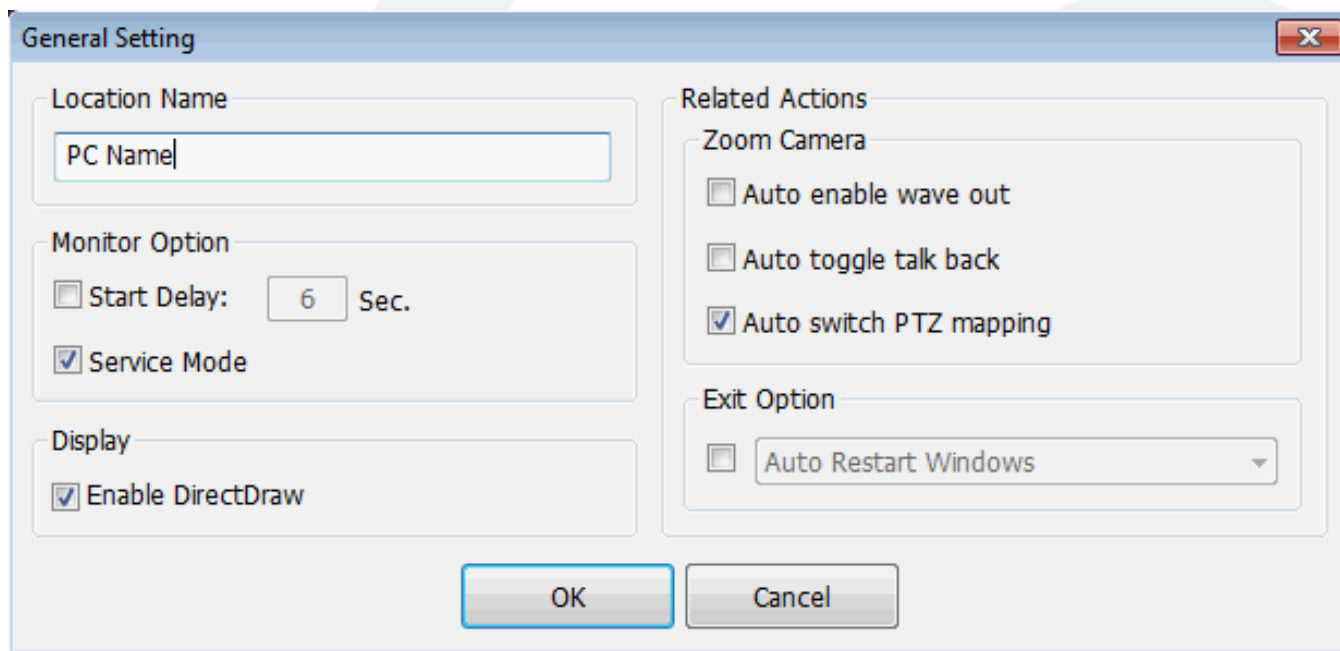
✓ چیپ ست آیوی بریج و هاسول از کدگشایی GPU ویدئوهای ۱.۳ تا ۵ مگاپیکسل پشتیبانی می کند.

✓ برای اعوجاج گیری GPU تصاویر فیش آی کارت گرافیک باید از DirectX 10 یا بالاتر پشتیبانی نماید.



پایش - حالت سرویس

فعال سازی عملگر « حالت سرویس » در ویندوز قابل انجام است.



پایش - رزولوشن پنل تصویر

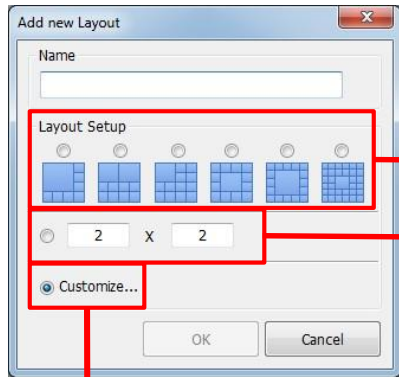
هنگامی که نرم افزار GV-VMS باز می شود، رزولوشن پنل در حالت دیفالت روی رزولوشن مانیتور در حالت فول اسکرین است. شما می توانید به صورت دستی رزولوشن پنل و موقعیت قرار گیری آن را تنظیم نمایید.

The image shows a 'Set Position' dialog box with the following settings:

Section	Select Monitor	Position (X, Y)	Panel Resolution (W x H)
Main Panel	Monitor 1	0, 0	1680 x 1050
ViewLog	Equal Main Panel	0, 0	1680 x 1050

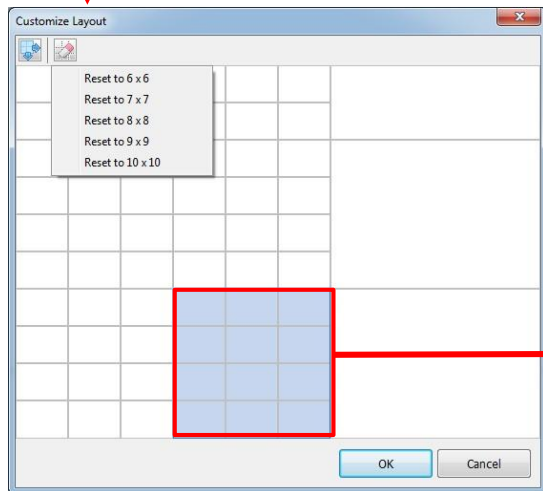
پایش - چیدمان

استفاده از حالت دیفالت چیدمان، مشخص کردن و تعیین چیدمان جدید قابل انتخاب است.

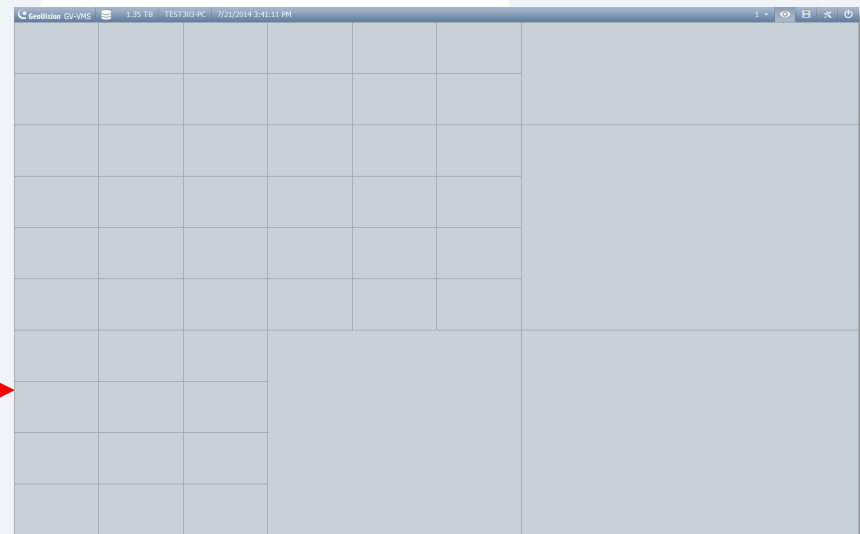


Default Layout (8, 10, 13, 17, 33)

Define Layout (Max 10 x 10)

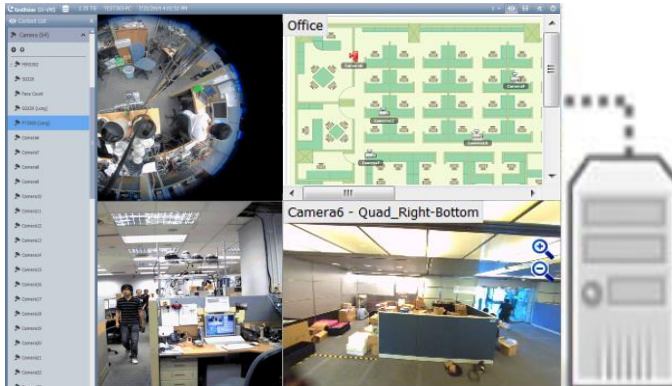


Merger



پایش - چندین مانیتور

چیدمان برای چندین مانیتور قابل بکارگیری است.



Primary Monitor

Apply Layout



Multiple Monitors



پیش - نصب دوربین

IP Device Setup

<input checked="" type="checkbox"/>	ID	Status	Server address	Port	Video Resolution	Bitrate	Brand	Setting
<input checked="" type="checkbox"/>	1	●	192.168.0.180	10000	2560X1920(H264)	6579 kbps	GeoVision_GV-FER5302/3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	2	●	192.168.0.21	10000	1920X1080(H264) / 448X252(MJPEG)	4363 / 3142 kbps	GeoVision_GV-SD220/GV-SD2301	<input type="checkbox"/>
<input checked="" type="checkbox"/>	6	●	192.168.5.193	10002	2048X1536(H264) / 320X240(H264)	19523 / 4375 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	7	●	192.168.5.193	10003	2048X1536(H264) / 320X240(H264)	19311 / 4375 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	8	●	192.168.5.193	10004	2048X1536(H264) / 320X240(H264)	19224 / 4303 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	9	●	192.168.5.193	10005	2048X1536(H264) / 320X240(H264)	19224 / 4329 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	10	●	192.168.5.193	10006	2048X1536(H264) / 320X240(H264)	19380 / 4404 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	11	●	192.168.5.193	10007	2048X1536(H264) / 320X240(H264)	19010 / 4304 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	12	●	192.168.5.193	10008	2048X1536(H264) / 320X240(H264)	18127 / 4326 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	13	●	192.168.5.193	10009	2048X1536(H264) / 320X240(H264)	20034 / 4331 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	14	●	192.168.5.193	10010	2048X1536(H264) / 320X240(H264)	18199 / 4381 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	15	●	192.168.5.193	10011	2048X1536(H264) / 320X240(H264)	18367 / 4332 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	16	●	192.168.5.193	10012	2048X1536(H264) / 320X240(H264)	18482 / 4330 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	17	●	192.168.5.193	10013	2048X1536(H264) / 320X240(H264)	18548 / 4332 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	18	●	192.168.5.193	10014	2048X1536(H264) / 320X240(H264)	18127 / 4341 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	19	●	192.168.5.193	10015	2048X1536(H264) / 320X240(H264)	18542 / 4331 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>
<input checked="" type="checkbox"/>	20	●	192.168.5.193	10016	2048X1536(H264) / 320X240(H264)	18282 / 4333 kbps	GeoVision_GV-BL110D_Series	<input type="checkbox"/>

Add Camera

Scan Camera

Automatic Setup

Import Camera

IP Device Utility

● Connected

○ Inactive Camera

● Connecting

Started Monitoring

⚠ Connection Failed

Pre-Rec Enable

پیش - تنظیمات دوربین (تنظیمات ویدئو)

The screenshot displays the 'Settings' window for a camera, with the 'Video Setting' tab selected and highlighted in red. The interface is organized into several sections:

- General Setting:**
 - Camera Name: Camera 1
 - IP Address: 192.168.8.113
 - Port: 10000
 - User name: admin
 - Password: [masked]
- Stream Setting:**
 - Main stream: [selected]
 - Codec Selection: H264
 - FPS: 10
- Quality / Bitrate:**
 - VBR
 - Quality: Good
 - Max. Bitrate: 20 Mbit
 - CBR
 - Max. Bitrate: 10240 Kbps
- Resolution:**
 - 4:3 5:4 16:9
 - Main stream: 2560x1920
 - Sub Stream: 320x240
- Video Lost / Connection Lost:**
 - Trigger output
 - Mod. 1 Pin. 1
- Camera Lens:**
 - General
- Video Attribute:**
 - Brightness: 50
 - Contrast: 0
 - Saturation: 50
 - Sharpness: 50
 - Gamma: 50
 - Buttons: Default, Save
- Image Orientation:**
 - Buttons: Normal, Horizontal Mirror, Vertical Flip, Rotate 180
- Preview:** A small video feed window showing a person at a computer workstation.

At the bottom of the window, there are 'OK' and 'Cancel' buttons.

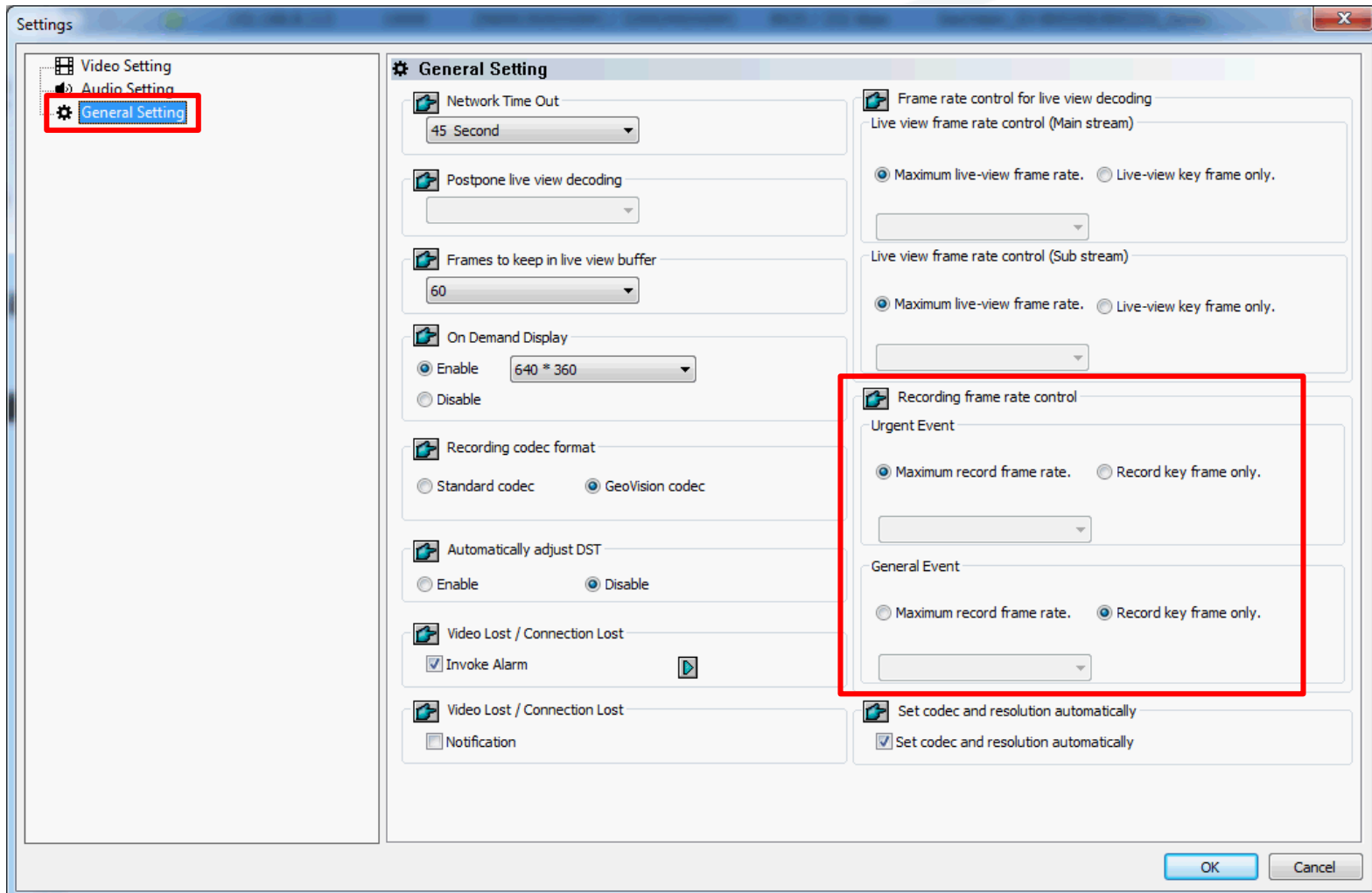
پیش - تنظیمات دوربین (تنظیمات صدا)

The screenshot shows the 'Settings' window with the 'Audio Setting' tab selected. The 'Audio Setting' panel includes the following controls:

- Audio Gain:** A slider set to 3.
- Wave Out:** A checked checkbox.
- Denoise:** An unchecked checkbox.
- Rec Audio:** An unchecked checkbox with two sub-options:
 - By Sensitivity:** A radio button and a slider set to 7.
 - Round-the-Clock Audio:** A selected radio button.
- Audio Format:** A dropdown menu set to '32 KHz, 16 bit'.

A green waveform visualization is displayed on the right side of the 'Audio Setting' panel. The 'Settings' window has a sidebar on the left with 'Video Setting', 'Audio Setting', and 'General Setting' options. The 'Audio Setting' option is highlighted with a red box. At the bottom right of the window are 'OK' and 'Cancel' buttons.

پیش - تنظیمات دوربین (تنظیمات عمومی)



Settings

- Video Setting
- Audio Setting
- General Setting**

General Setting

- Network Time Out: 45 Second
- Postpone live view decoding: [Dropdown]
- Frames to keep in live view buffer: 60
- On Demand Display:
 - Enable: 640 * 360
 - Disable
- Recording codec format:
 - Standard codec
 - GeoVision codec
- Automatically adjust DST:
 - Enable
 - Disable
- Video Lost / Connection Lost:
 - Invoke Alarm
- Video Lost / Connection Lost:
 - Notification
- Frame rate control for live view decoding:
 - Live view frame rate control (Main stream):
 - Maximum live-view frame rate.
 - Live-view key frame only.
 - Live view frame rate control (Sub stream):
 - Maximum live-view frame rate.
 - Live-view key frame only.
- Recording frame rate control (highlighted):
 - Urgent Event:
 - Maximum record frame rate.
 - Record key frame only.
 - General Event:
 - Maximum record frame rate.
 - Record key frame only.
- Set codec and resolution automatically:
 - Set codec and resolution automatically

OK Cancel

پیش - ONVIF

Profile Select

Single Stream Dual Stream

Stream1 : profile_Default ...

Stream2 : profile2_Default ...

Infomation

Stream1		Stream2	
Codec :	H264	Codec :	H264
Resolution :	1920 x 1080	Resolution :	448 x 252
Quality :	1.000000	Quality :	2.000000
Frame rate :	30	Frame rate :	30
Gov :	30	Gov :	30

VE_Default

Codec : H264

Resolution : 1920 x 1080

Quality : 1

FramRate : 30

Bitrate (kbps) : 8000

Gov : 30

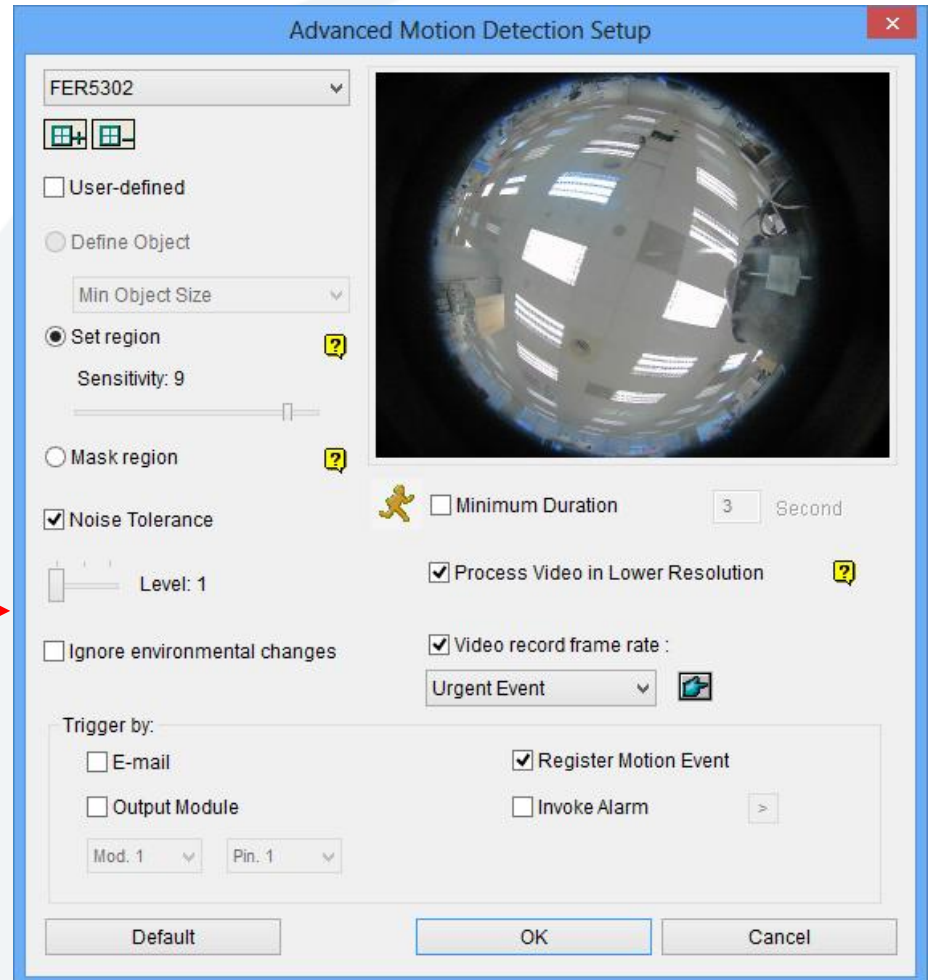
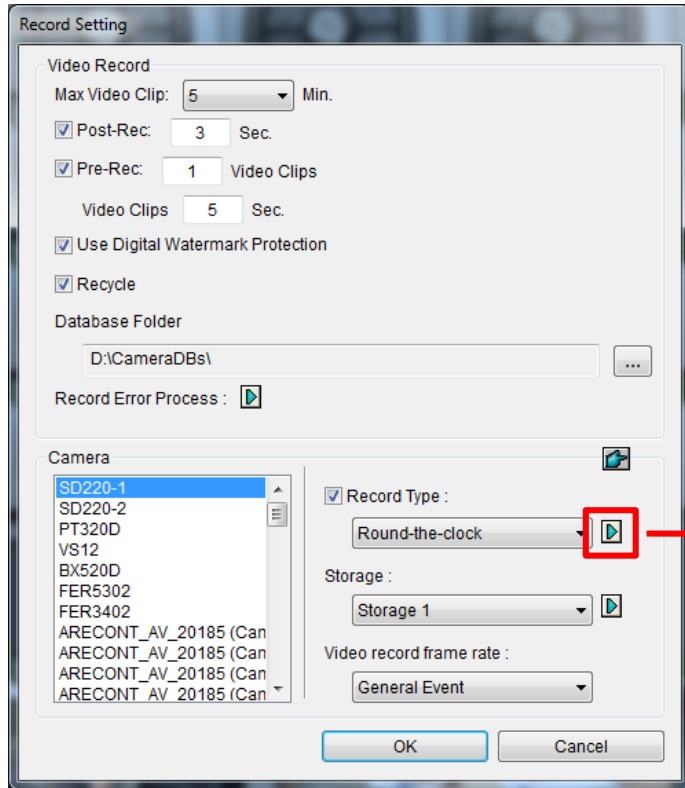
پیش - تنظیمات ضبط

Pre-Rec is no longer follow Max Video Clip.

✓ **Round-the-clock**
 ✓ **Motion Detect**

✓ **Urgent Event**
 ✓ **General Event**

پیش - تشخیص حرکت



پیش - زمانبندی

Schedule
X

Plan Schedule

- Plan-Weekdays
- Plan-Holiday

<
2014 Jul
>
Today : 2014/7/23

SUN	MON	TUE	WED	THU	FRI	SAT
		1 Plan-Weekdays	2 Plan-Weekdays	3 Plan-Weekdays	4 Plan-Weekdays	5 Plan-Holiday
6 Plan-Holiday	7	8	9	10	11	12 Plan-Holiday
13 Plan-Holiday	14	15 Plan-Weekdays	16 Plan-Weekdays	17 Plan-Weekdays	18 Plan-Weekdays	19 Plan-Holiday
20 Plan-Holiday	21	22	23	24	25	26
27	28	29	30	31		

پیش - برنامه زمانبندی

- Object Index
- Privacy Mask
- Defog
- Stabilizer
- Intruder
- Counter
- Crowd Detection
- Advanced Unattended...
- Advanced Scene Cha...
- Advanced Missing Ob...
- Face Count

I/O Monitoring

- Connect to CenterV2
- Connect to VSM

Plan-weekdays

Application: Camera2

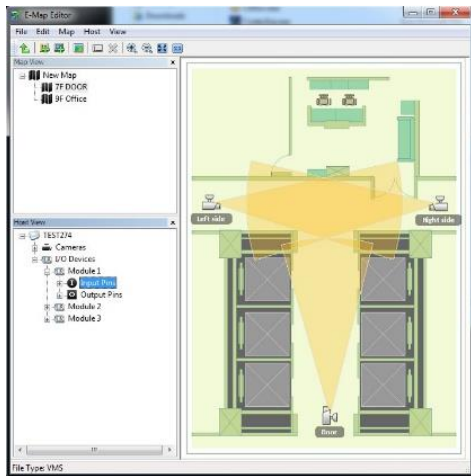
Apply to all cameras

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Round the Clock Rec...																									
Motion Detection Rec...																									
Alarm Trigger																									
PTZ																									

- PTZ Object Tracking
- Advance Single Cam...

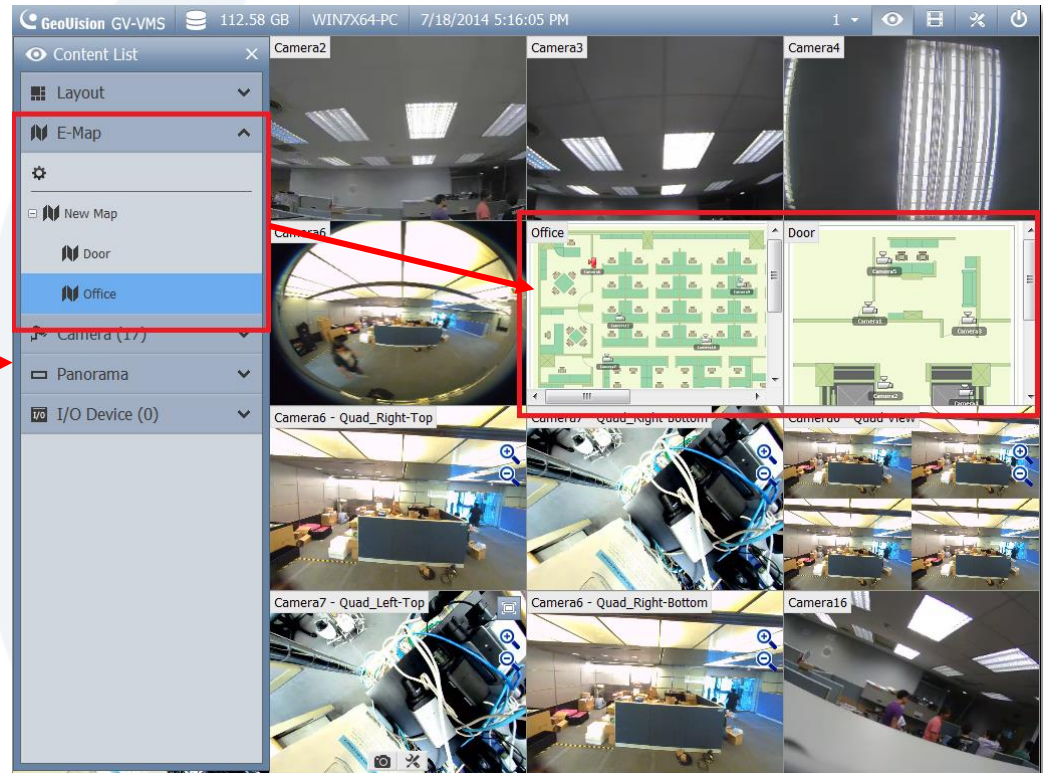
پایش - نقشه الکترونیکی

نقشه الکترونیکی با دکمه سمت چپ موشواره قابل جابجایی و قرار گیری بصورت مستقیم از فهرست روی پیدمان است.



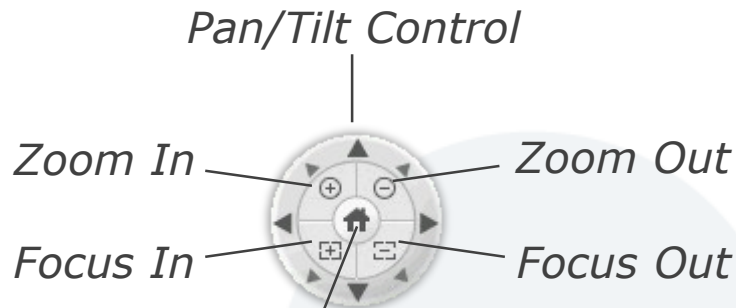
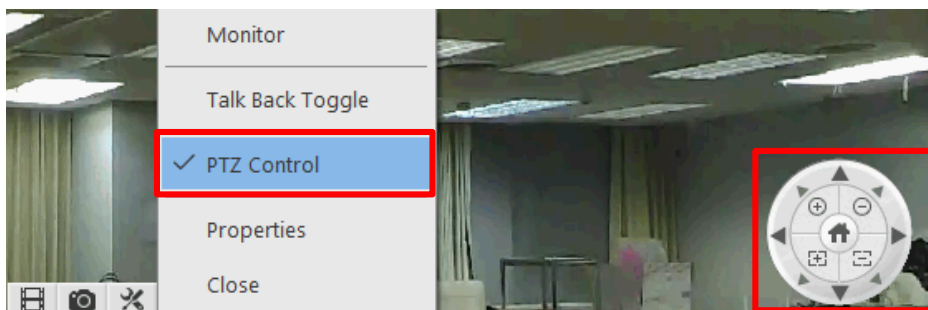
E-Map Editor

Save to VMS



پایش - تنظیمات PTZ

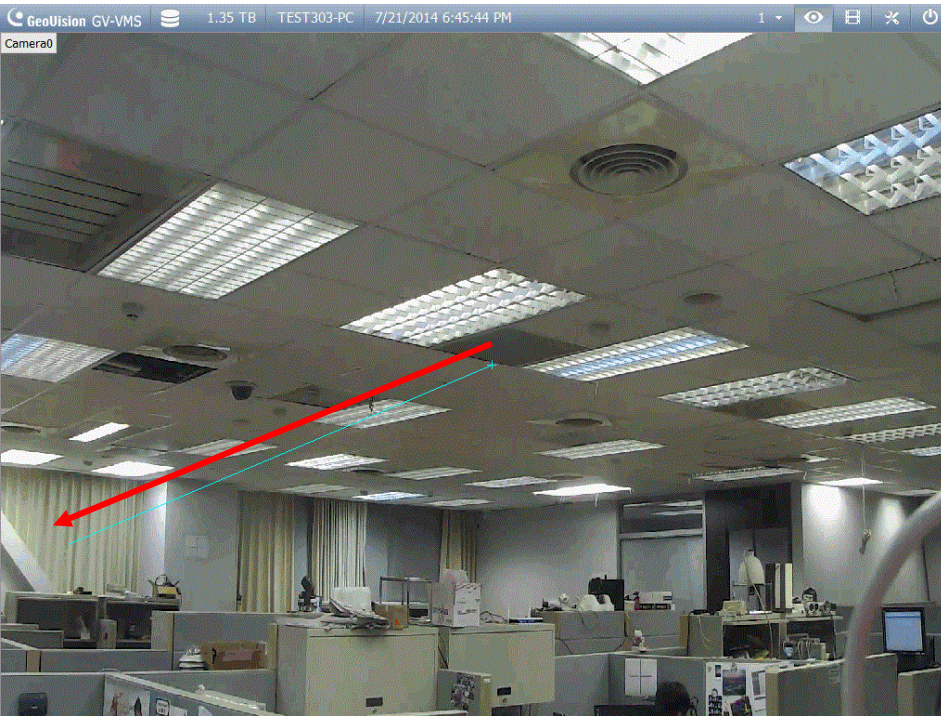
برای فعالسازی عملگر PTZ منوی PTZ Control را چک کنید.



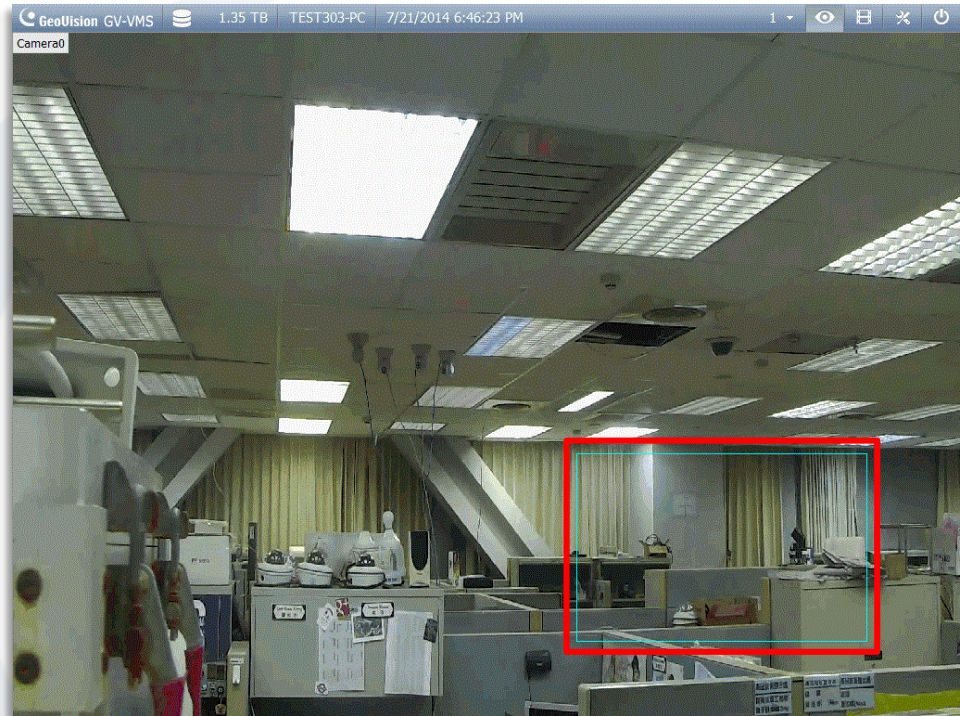
- Home
- Iris Open
- Iris Close
- Auto Focus
- Auto Iris
- Auto Go ▶
- Auto Set ▶
- Preset Go ▶
- Preset Set ▶

— Option

پیش - تنظیمات PTZ

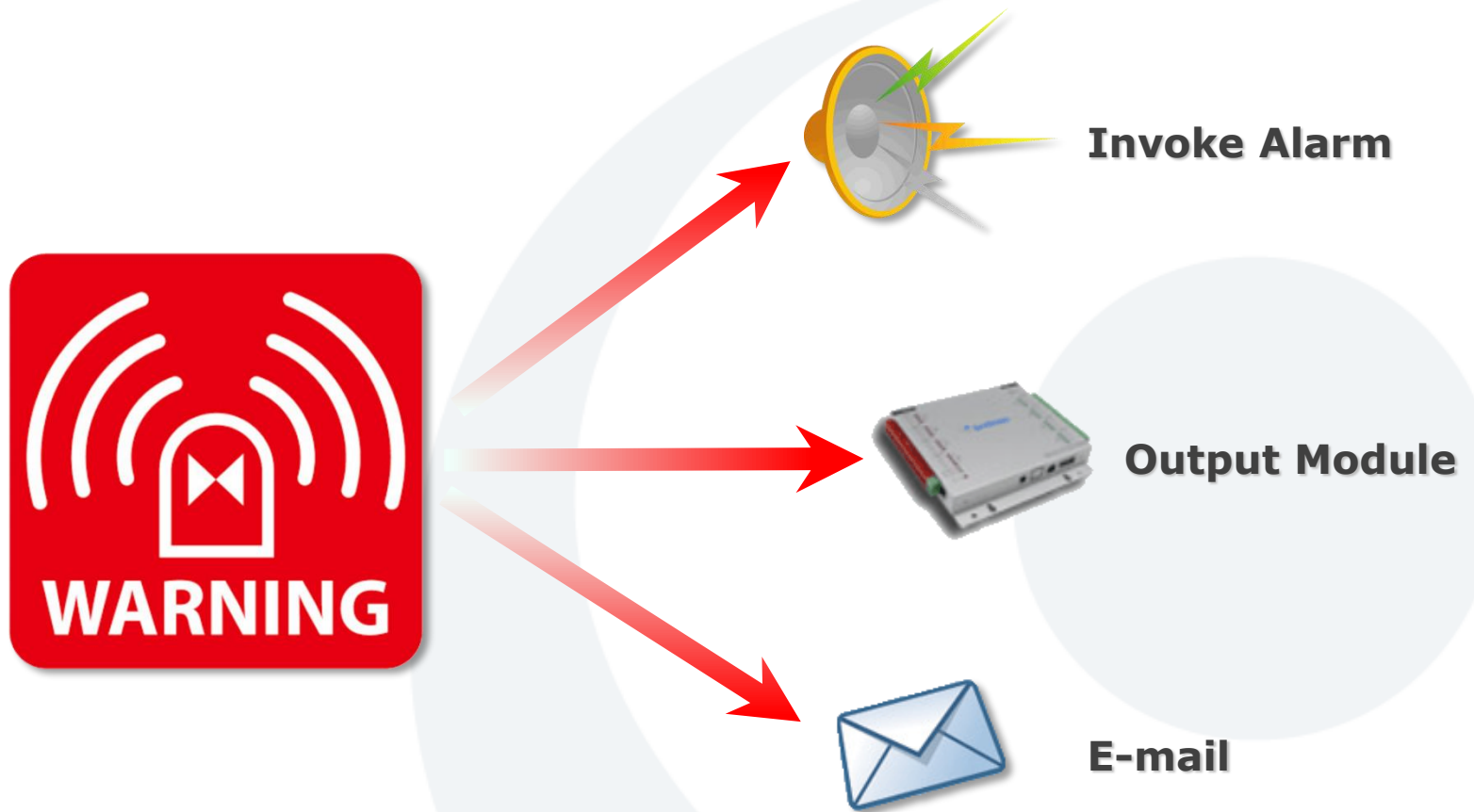


Random Move



Center Move
(GV-SD220 Only)

پیش - ارسال اطلاعیه



* **Note:** Non support SMS.

پایش - صدای دو طرفه

صداها می توانند در هر دو جهت همزمان انتقال یابند. مرکز کنترل می تواند با محل تحت پایش همزمان صحبت نموده و صداها را دریافت نماید.. همین طور این امکان برای محل تحت پایش وجود دارد.



پردازش تصویر - اعوجاج گیری فیش آی



Source



360 View



Auto Pan



Tracking



Panorama

پردازش تصویر - گردش نگهبان



Guard Tour List

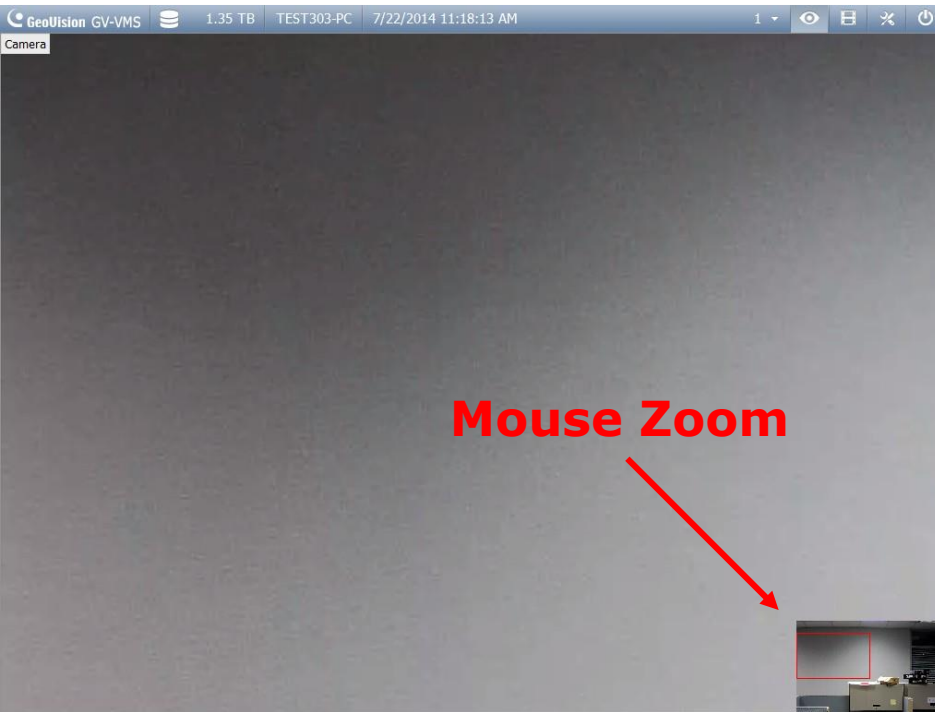
Preset ID	Dwell Time
Home	3
Preset1	5
Preset2	3
Preset3	6
Preset4	2
Preset5	10

View Order

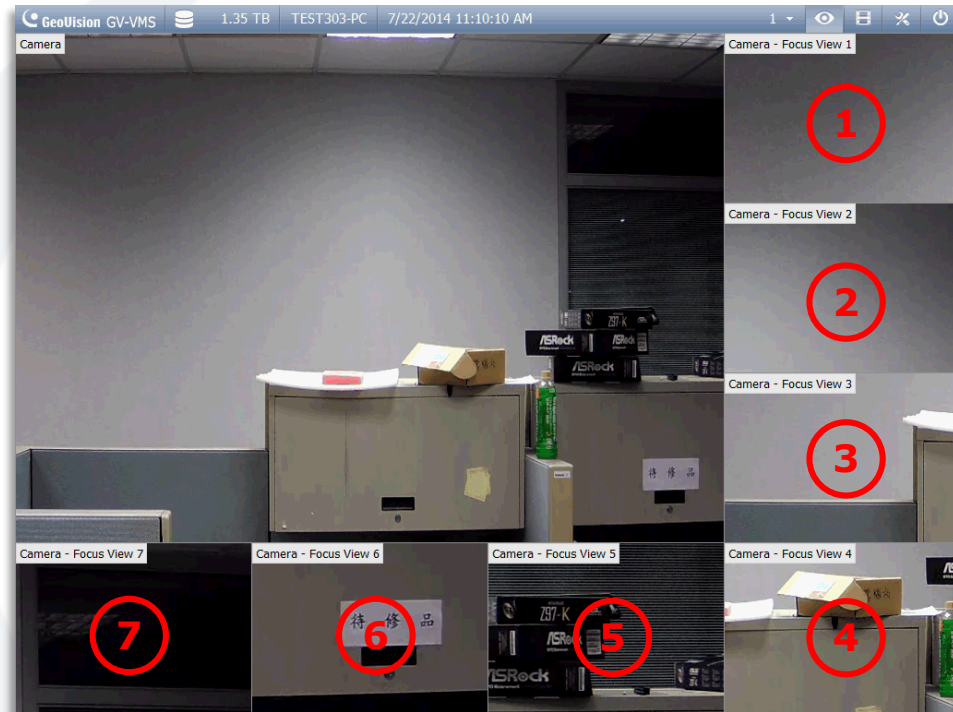
Remove

Single View

پردازش تصویر - نمایش متمرکز و تصویر در تصویر



PIP View



Focus View

پردازش تصویر - پانوراما

Content List

- Layout
- Camera (64)
- Panorama**
- Settings
- Panorama 1
- Panorama 2
- Panorama 3
- Panorama 4
- I/O Device (1)



Panorama View

پردازش تصویر – آنالیز ویدئویی

- ✓ **Object Index** (Max: 16CHs)
- ✓ **Privacy Mask** (Max: 64CHs)
- ✓ **Defog** (Max: 64CHs)
- ✓ **Stabilizer** (Max: 4CHs)
- ✓ **Intruder / Counter** (Max: 32CHs)
- ✓ **Crowd Detection** (Max: 16CHs)
- ✓ **Advanced Unattended Object Detection** (Max: 16CHs)
- ✓ **Advanced Scene Change Detection** (Max: 16CHs)
- ✓ **Advanced Missing Object Detection** (Max: 16CHs)
- ✓ **Text Overlay** (Max: 64CHs)

تجهيزات جانبی

✓ **Support GV-IOBOX 4 Ports, 8 Ports, 16 Ports (Max: 9)**



✓ **Support GV-Joystick V1, V2 (Max: 8)**



✓ **Support GV-Keyboard V2, V3 (Max: 8)**



✓ **Support GV-IR Remote Control**



قابلیت های بازپخش

- ✓ **Maximum 64 channels with simultaneous playback**
- ✓ **Customizable layout for playback with drag-and-drop support**
- ✓ **1/8x, 1/4x, 1/2x slow-down playback**
- ✓ **2x, 4x, 8x, 16x, 32x video playback speed**
- ✓ **Support PIP & focuses / Fisheye Dewarp / Panorama view**
- ✓ **Export media files of recorded video**
- ✓ **Supports snapshot and print out**
- ✓ **Time Line search**
- ✓ **Object search**

اینترفیس بازیفش کاربر

A.

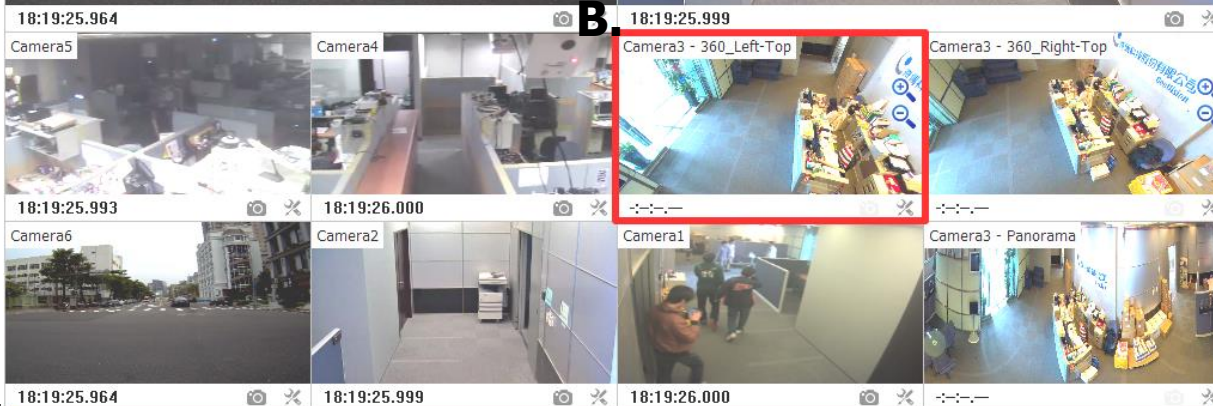


A . Toolbar & Status Panel

B . Playback View

C . Video Event Time Line

D . Playback control panel



C.

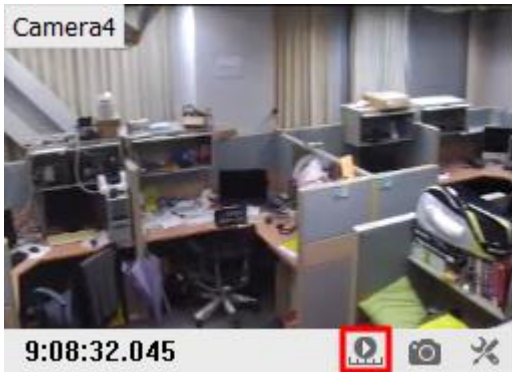


D.

اینترفیس بازپخش کاربر - تولبار



Display play panel



اینترفیس بازپخش کاربر - تولبار



Tools

- Basic Search
- Object Search
- System Log** >
- Backup
- Delete
- Save as Avi
- Display Merging List

- Monitor Table
- CMS Table
- Advanced

Monitor Table

Monitor	System	Login	Counter	Merge	Backup	Delete	Notification	I/O	Playback
	Time	Device	Information	Event	Note				
	12/21/2014 15:46...	Camera2		Intruder					
	12/21/2014 15:47...	Camera2		Intruder					
	12/21/2014 15:47...	Camera2		Intruder					

CMS Table

CMS	Time	User...	Event	Service	IP Address
	7/25/2014 10:55:21		Start Service	Remote ViewLog	

Event lists From 2014/12/21 to 2014/12/21 - Advanced Log Browser

ID	Time	Device	Information	Event	Note	DST Rollb...
1	2014/12/21 12:50:51	Camera7		Camera Connecti...		
2	2014/12/21 12:50:51	Camera 8		Camera Connecti...		
3	2014/12/21 12:50:51	Camera7		Camera Connecti...		
4	2014/12/21 12:50:51	Camera 8		Camera Connecti...		

اینترفیس بازپخش کاربر - تولبار



Configure

Effects >

- ✓ Apply text overlay's camera name / time render
- ✓ Set timeline to current time when ViewLog starts

System Log Setting

- Sample
- Defog
- Stabilizer
- Wide angle lens dewarping

System Log Setting

<input checked="" type="checkbox"/> Monitor Event	<input checked="" type="checkbox"/> Counter Event	<input checked="" type="checkbox"/> Delete	<input checked="" type="checkbox"/> Notifi
<input checked="" type="checkbox"/> General Event	<input checked="" type="checkbox"/> Merge	<input checked="" type="checkbox"/> CMS	
<input checked="" type="checkbox"/> Login/Logout Event	<input checked="" type="checkbox"/> Backup	<input type="checkbox"/> Playback	

Interval of Motion Event: Sec.

Interval of Input Event: Sec.

Always Keep Live Log

Import Previous Days of Live Log Browser:

Keep Days: !

Recycle !

Log Path

Available: 31.22 GB

...

Database Type OK Cancel

اینترفیس بازپخش کاربر - تولبار



Content List

Layout setting
Add layout & group
Delete / Rename

Layout list
(Unlimited number of groups)

Panorama list
(Up to 4)



Camera list
(Up to 64)

اینترفیس بازپخش کاربر - خط زمانی رخدادها

Camera Date Viewer

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

DST Event

Event preview

TEST-297-FC Camera0
7/20/2014 - 6:46:11

represent the focused camera.

Camera24
Layout Cameras

18:25:35

represent all cameras

- Frame by Frame
- Just Key Frame
- Real Time
- Smooth playback

Rec status

Display panel

اینترفیس بازیفش کاربر - خط زمانی رخداد ها

second timeline

- ▶ Motion Rec Event
- ▶ I/O Rec Event
- ▶ Never Recycle Event
- ▶ Intrusion Alarm Event

All alarm Event status

RTC Event status

اینترفیس بازیفش کاربر - خط زمانی رخداد ها

24hr



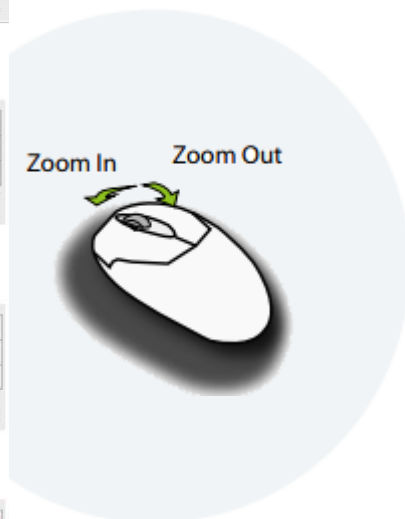
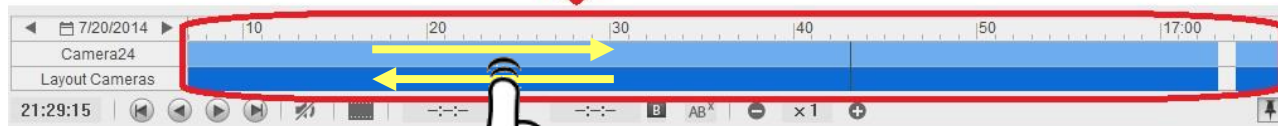
12hr



6hr

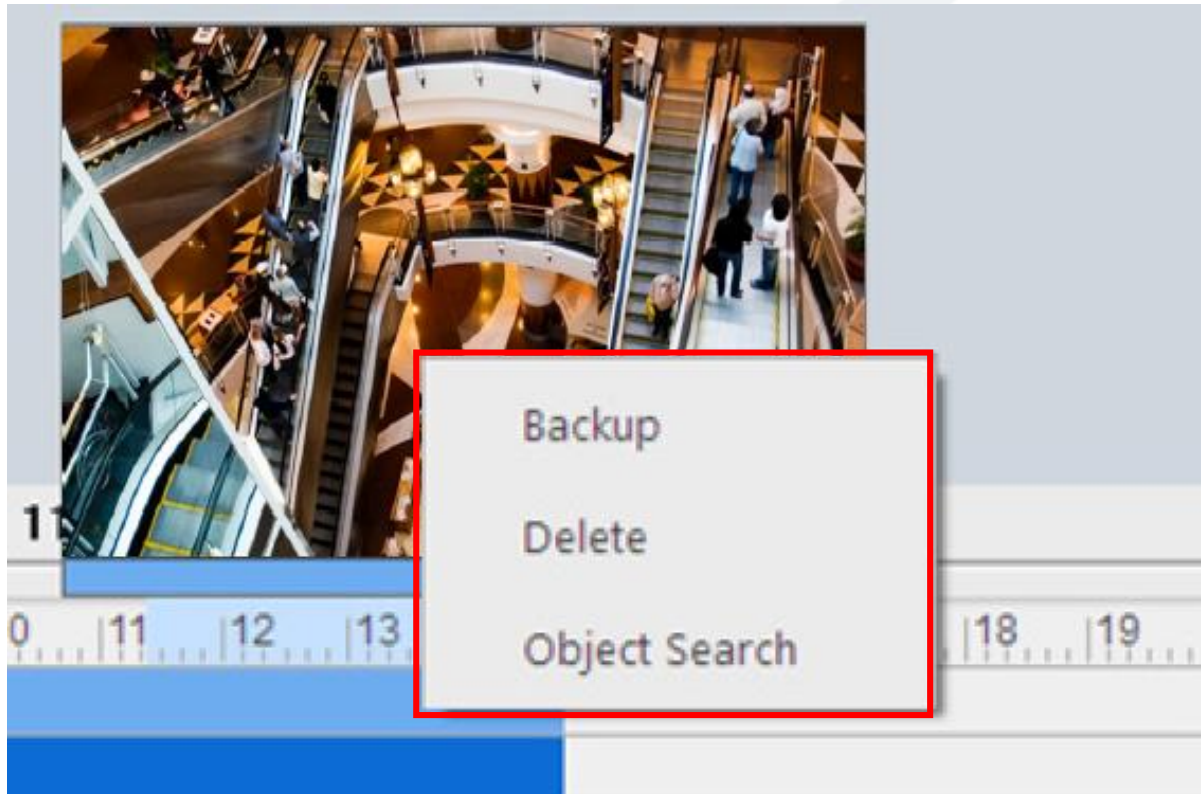


1hr



اینترفیس بازپخش کاربر - خط زمانی رفتاریها



Right-click and drag on the timeline



اینترفیس بازپخش کاربر - جستجو

Basic Search

Event Time

12/21/2014  13:17:27 

Search event in DST

Description

ViewLog : Using Event time selector, it is possible to jump straight to video archive from a specific point in Time.

OK Cancel

Object Search



Video Process

Alarm 

Option

Play All Events

Show Mask

Find and Stop

Result

In : 0 

Out : 0

 Show

12/21/2014 Camera2

15:36:53:951

اینترفیس بازپخش کارپر - بکاپ و حذف کردن

Backup Video Event

Backup

Media

Using Hard Disk
C:\SIBK20141222\

Backup Folder Name :
SIBK20141222

Using CD / DVD / BD
F:\ [SPD2517T : 4.70 GB]

Burning Software :
[...]

Using OS-Burning [?]

Media Information

Used Size : 3.47 GB
Free Size : 1.23 GB
Total Size : 4.70 GB

Add time frame
12/22/2014 6:47:05 ~ 12/22/2014 8:01:22

- Camera1 : 9 Files, 287.72 MB
- Camera2 : 9 Files, 53.05 MB
- Camera3 : 9 Files, 602.71 MB
- Camera4 : 9 Files, 58.28 MB
- Camera5 : 9 Files, 53.32 MB
- Camera6 : 9 Files, 303.71 MB
- Camera11 : 10 Files, 506.12 MB
- Camera12 : 10 Files, 560.64 MB
- Camera13 : 10 Files, 478.48 MB
- Camera14 : 10 Files, 525.99 MB

Include Player

Viewlog

Erase Rewritable Disc Add time frame OK Cancel

Delete Video Event

Delete

Time Period

Start Time : 12/22/2014 00:00:45
End Time : 12/22/2014 23:58:46

Select Camera(s)

Camera(s)	Files	Status
<input checked="" type="checkbox"/> Camera1	9 + 0	Ready
<input checked="" type="checkbox"/> Camera2	9 + 0	Ready
<input checked="" type="checkbox"/> Camera3	9 + 0	Ready
<input checked="" type="checkbox"/> Camera4	9 + 0	Ready
<input checked="" type="checkbox"/> Camera5	9 + 0	Ready
<input checked="" type="checkbox"/> Camera6	9 + 0	Ready
<input checked="" type="checkbox"/> Camera11	10 + 0	Ready
<input checked="" type="checkbox"/> Camera12	10 + 0	Ready
<input checked="" type="checkbox"/> Camera13	10 + 0	Ready
<input checked="" type="checkbox"/> Camera14	10 + 0	Ready
<input checked="" type="checkbox"/> Camera11	0 + 0	Ready
<input checked="" type="checkbox"/> Camera12	0 + 0	Ready
<input checked="" type="checkbox"/> Camera13	0 + 0	Ready

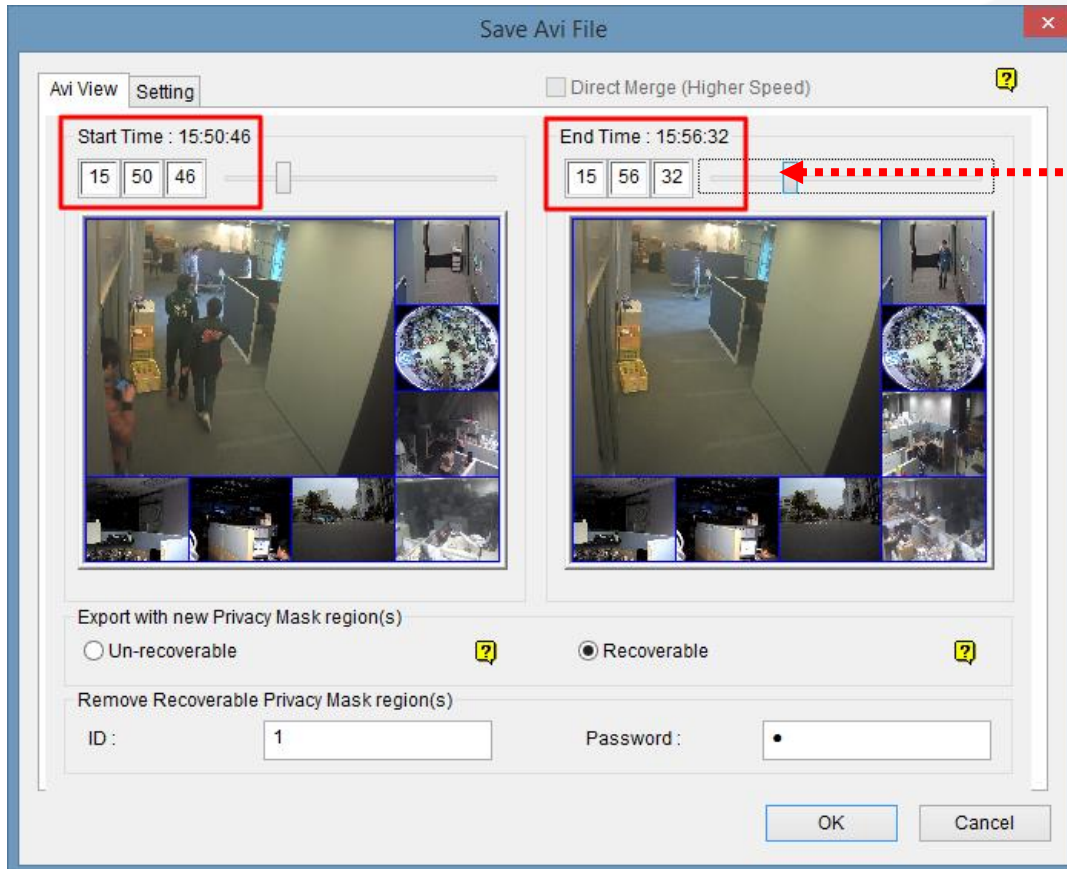
Video + Audio Event

Include Never-Recycle Event.
 Include daylight saving rollback events.

Total Event : 94
Total Size : 3 GB

Delete Close

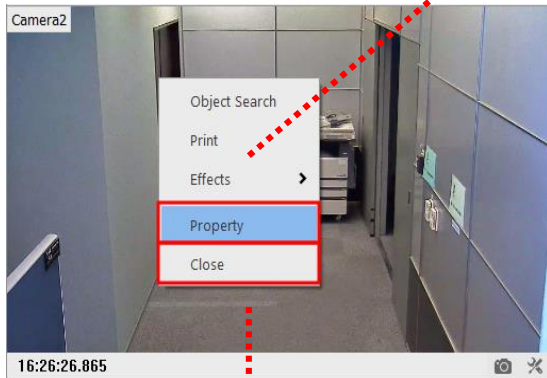
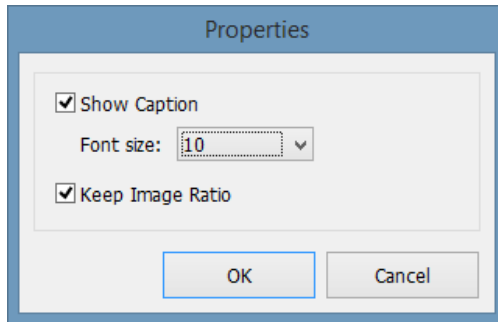
اینترفیس بازپخش کاربر - ذخیره بصورت Avi



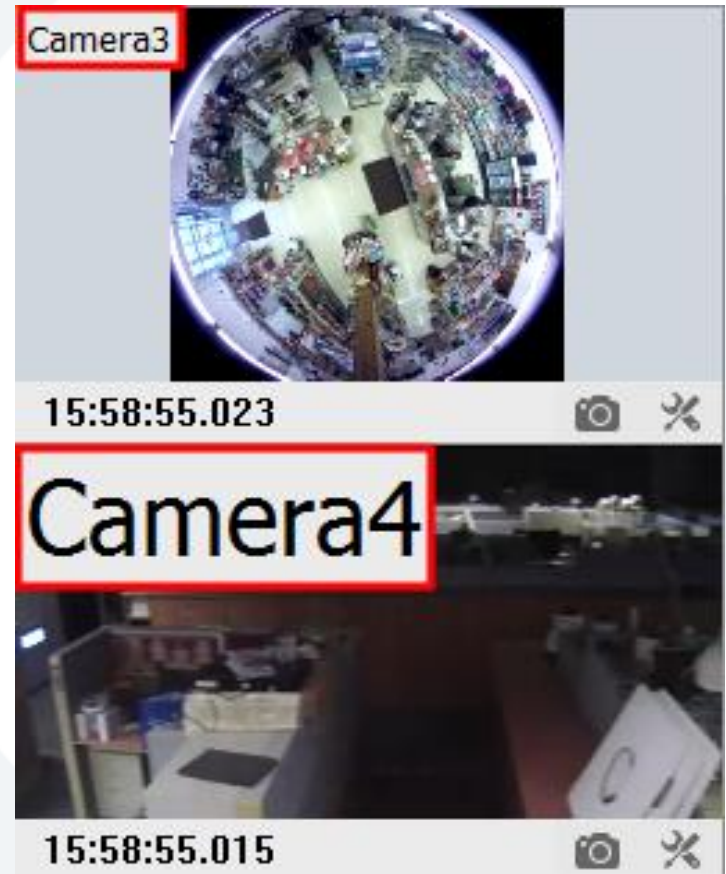
manual Enter the time

اینترفیس بازپخش کاربرد

Video cell function



Remove Video cells

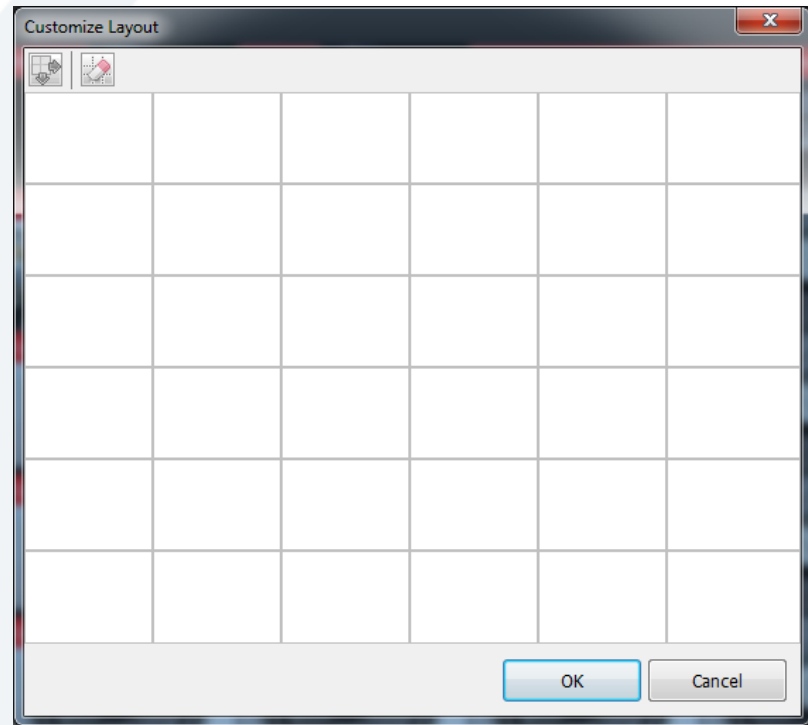


مثال کاربردی

مثال ۱. چگونه چیدمان دلخواه داشته باشیم؟



Screen Resolution



Customize Layout

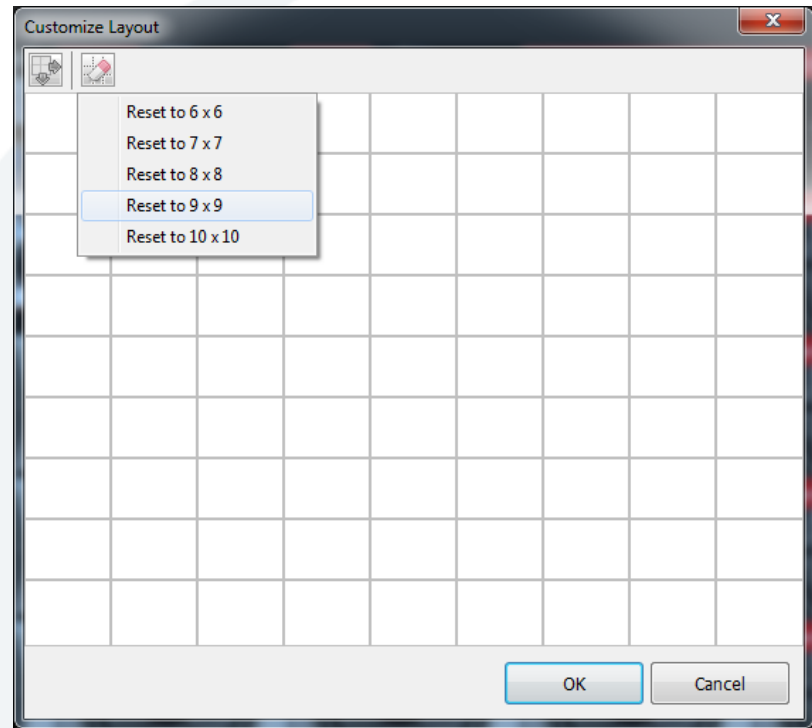
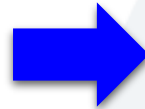
مثال کاربردی



Screen Resolution

$$3840 / 9 = 427$$

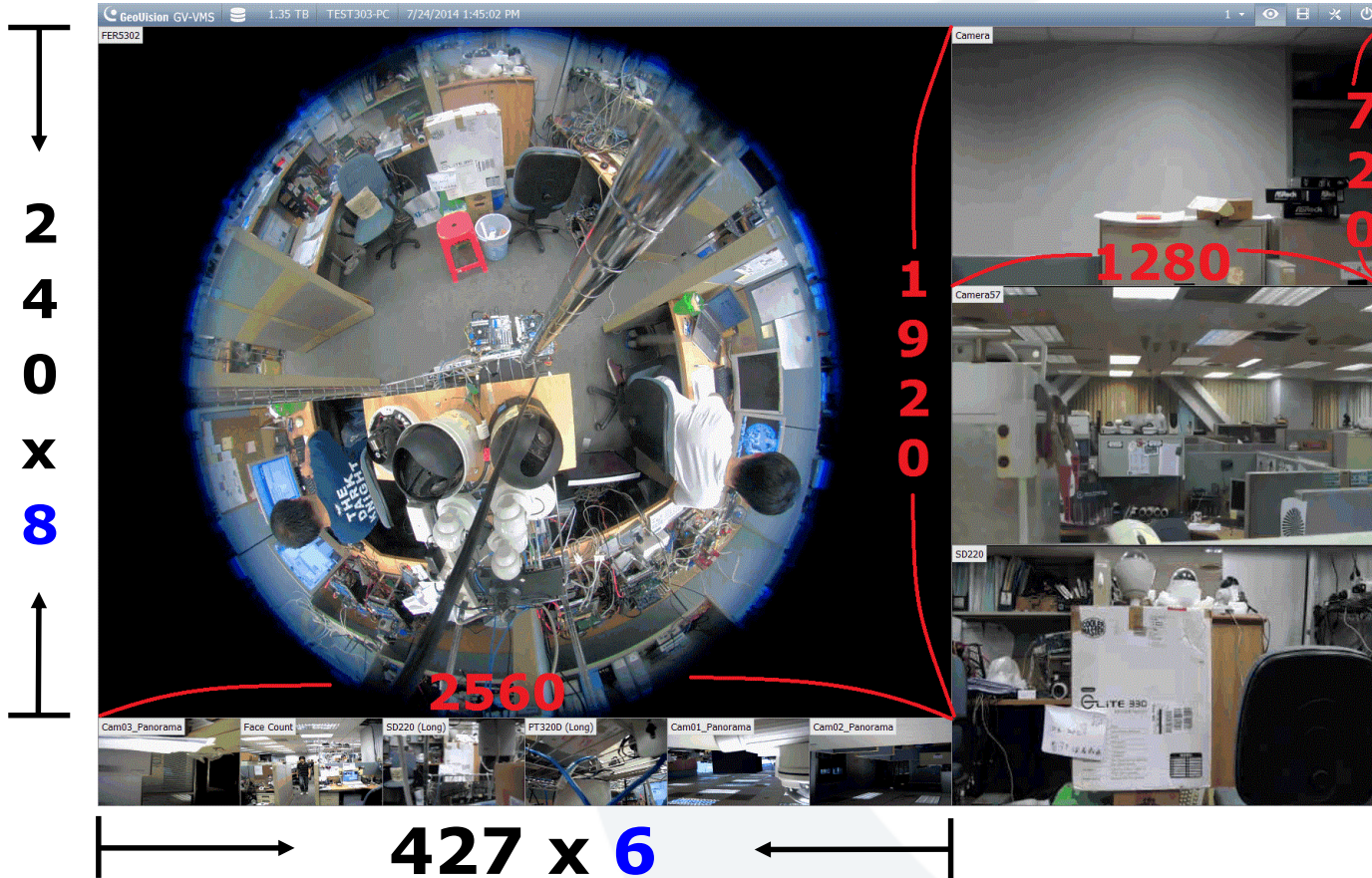
$$2160 / 9 = 240$$



Customize Layout

مثال کاربردی

3840



مثال کاربردی

مثال ۲. چگونه Pre-Rec را بصورت موثر تنظیم کنیم؟

➤ GV-NVR (V8590)

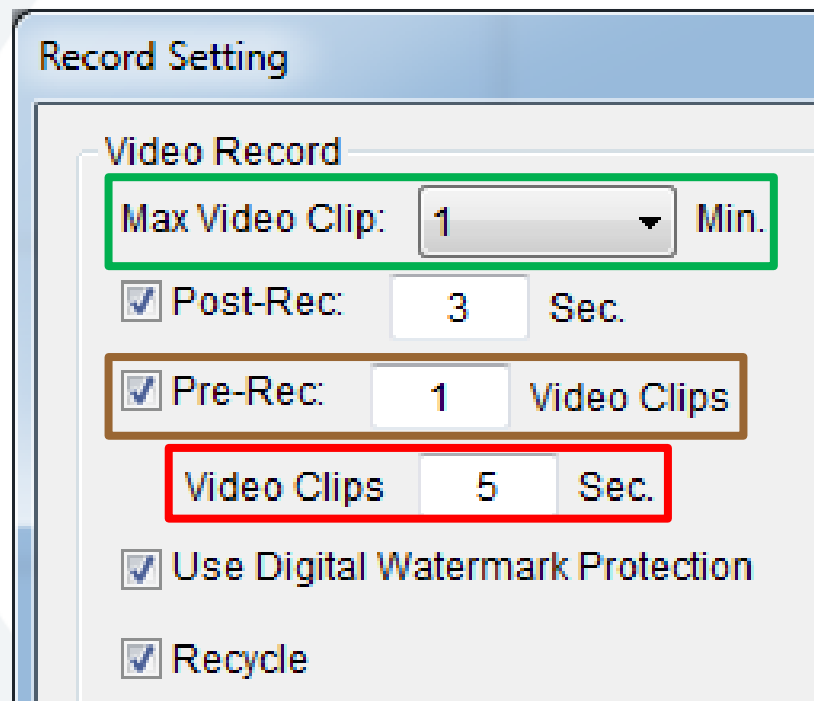
Video Clips x Max Video Length

(Follow max video length)

➤ GV-VMS (V1410)

Video Clips x Video Length

(Customize video length)

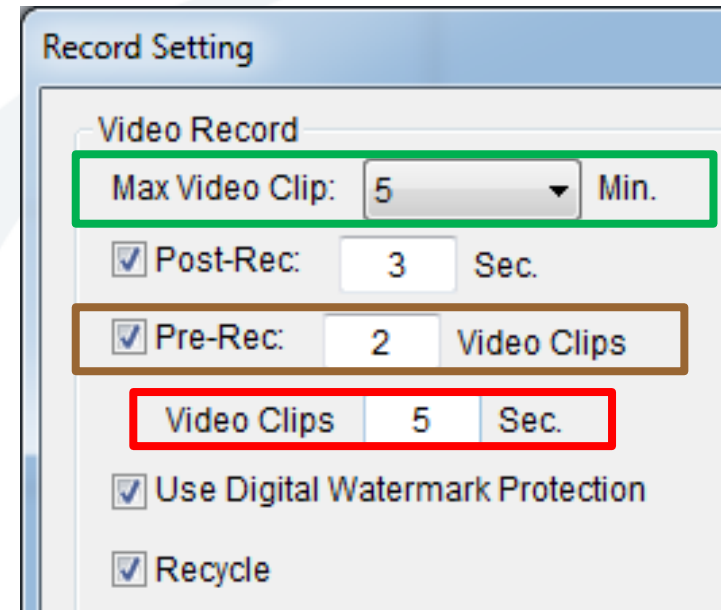


مثال کاربردی

- **Motion Record – 10 Sec**
- **Record Setting:**
 MAX Video Clip: 5 Min
 Pre-Rec: 2 Video Clips
 Video Clips 5 Sec



- **GV-NVR (V8590)**
 2 Video Clips x 5 Min Max Video Length = **10 Min** + Motion: 10 Sec
 (Follow max video length)
- **GV-VMS (V1410)**
 2 Vido Clips x 5 Sec Video Length = **10 Sec** + Motion: 10 Sec
 (Customize video length)



با تشکر از توجه شما