## SQL Server Installation and Configuration



SQL Server is a relational database management system introduced by Microsoft Corporation. It is easy to use and scalable, and has a high degree of integration with related software. It can be used across multiple platforms, from laptops running Microsoft Windows 98 to large multi-processor servers running Microsoft Windows Server 2012.





### 1. Installation

Click on the first item on the right "New SQL Server Standalone Installation or Add Features to an Existing Installation"

If you purchased a licensed version, click on Enter the product key. If you choose to install a specific version then click on "Specify Available Versions". If you do not want to install an incomplete version and download it from the Internet, then Try it out (with a 180-day trial key)

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- 🗆 X	📸 SQL Server 2012 Setup	
	License Terms To install SQL Server 20	112, you must accept the Microsoft Software License Terms.
of SQL Server 2012 by entering the 25-character key from the Microsoft icity or product packaging. You can also specify a free edition of SQL Server, such ess. Evaluation has the largest set of SQL Server features, as documented in SQL and is activated with a 180-day expiration. To upgrade from one edition to on Upgrade Wizard. on: key: MRM7V-RTVFF-CHC8H	Product Key License Terms Product Updates Install Setup Files	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2012 ENTERPRISE SERVER/CAL EDITION These license terms are an agreement between Microsoft Corporation (or based or live, one of its affiliates) and you. Please read them. They apply to the software not which includes the media on which you received it, if any. The terms also apply to updates, supplements, Internet-based services, and support services
		<ul> <li>☑ I accept the license terms.</li> <li>☑ Send feature usage data to Microsoft. Feature usage data includes information about configuration and how you use SQL Server and its components.</li> <li><u>See the Microsoft SQL Server 2012 Privacy Statement for more information.</u></li> <li>&lt; Back</li> </ul>

## 2. Product Key

## 3. License Terms

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Check "I accept the license terms" and click Next





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Product Updates Always install the latest	t updates to enhance your SQL Server secur	rity and performance.		Setup Support Setup Support Rules corrected before Set	s identify problems that might occur when you install SQL Server Setup support file	es. Failures must be	Setup Role Click the SQL Server Feature In feature role to install a specific	nstallation option to individually select which feature components to install, or click a c configuration.
Product Key License Terms Product Updates	Include SQL Server product up	Size (MB)	More Information	Setup Support Rules Setup Role Feature Selection	Rule check in progress		Setup Support Rules Setup Role Feature Selection	SQL Server Feature Installation Install SQL Server Database Engine Services, Analysis Services, Reporting Services, and other features.
Install Setup Files	SQL Server 2012 SP1 GDR Setup . 1 updates (26 MB) found online. The Setup updates (26 MB) will b	*	KB 2793634	Installation Rules Disk Space Requirements Error Reporting Installation Configuration Ready to Install Installation Progress Complete		Renun	Installation Rules Disk Space Requirements Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	<ul> <li>SQL Server PowerPivot for SharePoint</li> <li>Install PowerPivot for SharePoint on a new or existing SharePoint server to support access in the farm. Optionally, add the SQL Server relational database engine to us database server.</li> <li>Add SQL Server Database Relational Engine Services to this installation.</li> <li>All Features With Defaults</li> <li>Install all features using default values for the service accounts.</li> </ul>
		Read our privacy statement online Learn more about SQL Server product updates						
			< Back Next > Cano	cel	< Back Next >	Cancel Help		< Back Next > Cance

4. Product Update

It is recommended to install in the case of networking, query for updateable patches.

### 5.Setup Support Rules

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### 6.Set Role

Select the SQL Server feature installation and click "Next"







1 SQL Server 2012 Setup		– 🗆 X			
Feature Selection Select the Enterprise features to	install.				
Setup Support Rules	Features:	Feature description:			
Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Distributed Replay Controller Distributed Replay Client	Instance Features Database Engine Services SQL Server Replication Full-Text and Semantic Extractions for Searc Data Quality Services Analysis Services Reporting Services - Native Shared Features Reporting Services - SharePoint Reporting Services Add-in for SharePoint Produced Data Quality Client SQL Server Data Tools Client Tools Connectivity	The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by- side on the same computer.	SQL Server 2012 Setup Installation Rules Setup is running rules to deter	mine if the installation process will be blocked. For more information, click Help.	- 0 X
Error Reporting Installation Configuration Rules	Client Tools Backwards Compatibility	Microsoft Visual Studio Tools for Applicati To be installed from media:	Setup Support Rules Setup Role	Operation completed. Passed: 3. Failed 0. Warning 0. Skipped 0.	
Ready to Install	< >	< >	Feature Selection		
Installation Progress	Select All Unselect All		Installation Rules	Show details >>	Re-run
Complete	Shared feature directory:     C:\Program Files\Micros       Shared feature directory (x86):     C:\Program Files (x86)\W		Instance Configuration Disk Space Requirements Server Configuration	View detailed report	
	< Back	Cancel Help	Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Distributed Replay Controller		

### 7.Feature Selection

Recommended all

## 8.Installation Rules

📸 SQL Server 2012 Setup						-	
Instance Configuration Specify the name and instance		L Serve	er. Instance	ID becomes part of t	he installation path.		
Setup Support Rules Setup Role Feature Selection	<ul> <li>Default instance</li> <li>Named instance:</li> </ul>		MSSQLSE	RVER			
Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules	Instance ID: Instance root directory:		MSSQLSERVER C:\Program Files\Microsoft SQL Server\				
	SQL Server directory: Analysis Services direct Reporting Services direct Installed instances:	ectory:	C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER C:\Program Files\Microsoft SQL Server\MSAS11.MSSQLSERVER C:\Program Files\Microsoft SQL Server\MSRS11.MSSQLSERVER				
Ready to Install	Instance Name	Instan	ice ID	Features	Edition	Ve	rsion

## 9.Instance Configuration

Comes with some instances, about 2.5G







1 SQL Server 2012 Setup

### **Disk Space Requirements**

Review the disk space summary for the SQL Server features you selected.

Setup Support Rules Setup Role **Feature Selection** Installation Rules Instance Configuration **Disk Space Requirements** Server Configuration **Database Engine Configuration**  Disk Usage Summary:

Drive C: 8946 MB required, 30405 MB available

System Drive (C:\): 5010 MB required

10.Disk Space Requirements

Shared Install Directory (C:\Program Files\Microsoft SQL Server\): 1642 MB required Instance Directory (C:\Program Files\Microsoft SQL Server\): 2294 MB required

### SQL Server 2012 Setup

### Server Configuration

Specify the service accounts and collation configuration.

Setup Support Rules	Service Accounts Collation
Setup Role	Minimut and the
Feature Selection	Microsoft recommends that
installation Rules	Service
instance Configuration	SQL Server Agent
Disk Space Requirements	SQL Server Database Engin
Server Configuration	SQL Server Analysis Service
Database Engine Configuration	SQL Server Reporting Servi
Analysis Services Configuration	SQL Server Integration Serv
Reporting Services Configuration	SQL Server Distributed Rep
Distributed Replay Controller	SQL Server Distributed Rep
Distributed Replay Client	SQL Full-text Filter Daemor
Error Reporting	SQL Server Browser
nstallation Configuration Rules	
Ready to Install	

## 11.Server C

## Recommended to keep the default configuration Hikvision

			- 0	SQL Server 2012 Setup	_
				Database Engine Configue Specify Database Engine authentica	uration ation security mode, administrators and data directories.
n at you use	a separate account for each	SQL Server serv	ice.	Setup Support Rules Setup Role Feature Selection Installation Rules	Server Configuration Data Directories FILESTREAM Specify the authentication mode and administrators for the Database Engine. Authentication Mode
	Account Name	Password	Startup Type	Instance Configuration	Windows authentication mode
	NT Service\SQLSERVERA		Manual 🗸	Disk Space Requirements	Mixed Mode (SQL Server authentication and Windows authentication)
ne	NT Service\MSSQLSERVER		Automatic 🗸	Server Configuration	() Mixed Mode (SQL Server authentication and Windows authentication)
tes	NT Service\MSSQLServe		Automatic 🗸	Database Engine Configuration	Specify the password for the SQL Server system administrator (sa) account.
vices	NT Service\ReportServer		Automatic 🗸	Analysis Services Configuration	Enter password:
rvices 11.0	NT Service\MsDtsServer		Automatic 🗸	Reporting Services Configuration	Confirm password:
play Client	NT Service\SQL Server D		Manual 🗸	Distributed Replay Controller	commin password.
play Con	NT Service\SQL Server D		Manual 🗸	Distributed Replay Client	Specify SQL Server administrators
on Launc	NT Service\MSSQLFDLa		Manual	Error Reporting	SQL Server ad
	NT AUTHORITY\LOCAL		Disabled V	Installation Configuration Rules Ready to Install	have unrestri to the Databa
				Installation Progress Complete	Add Current User Add Remove
Con	figuratio	n			< Back Next > Cancel

## 12. Database Engine Configuration

If use Windows authentication, you need to add users on your computer, generally select the current user.





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tricte	ed access	5
base	Engine.	
_		_
_		
1	Help	

Feature Selection       Installation Rules       Feature Selection       Feature Selection       Feature Selection       grante         Installation Rules       Instal	🐮 SQL Server 2012 Setup		- 🗆 X	SQL Server 2012 Setup	- [	SQL Server 2012 Setup	
Seture Solicity and Data Directories       Server Configuration Data Directories       Seture Solicity and Configuration Directories	and the second second					20(6)(6)	
	Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Database Engine Configuration Reporting Services Configuration Distributed Replay Controller Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress	Server Mode:   Multidimensional and Data Mining Mode  Tabular Mode  Specify which users have administrative permissions for Analysis Server	Analysis Services administrators have unrestricted access to	Setup RoleFeature SelectionInstallation RulesInstallation RulesInstallation RulesInstance ConfigurationDisk Space RequirementsServer ConfigurationDatabase Engine ConfigurationAnalysis Services ConfigurationAnalysis Services ConfigurationBistributed Replay ControllerDistributed Replay ControllerDistributed Replay ClientError ReportingInstallation Configuration RulesReady to InstallInstallation Progress	<ul> <li>Install and configure.         <ul> <li>Installs and configures the report server in native mode. The report server is operational af setup completes.</li> <li>Install only.             <ul></ul></li></ul></li></ul>	Iter       Setup Role         Feature Selection       Installation Rules         Installation Rules       Instance Configuration         ager       Disk Space Requirements         Server Configuration       Database Engine Configuration         Analysis Services Configuration       Reporting Services Configuration         Distributed Replay Controller       Distributed Replay Controller         Installation Configuration Rules       Ready to Install         Installation Progress       Installation Progress	Users th granted unlimite Distribu Control

### 13. Analysis Service Configuration

Add current user

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14.Reporting Services Configuration

### 15. Distributed replay controller

Add current user





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📸 SQL Server 2012 Setup			- 🗆 X	SQL Server 2012 Setup	- 🗆 ×	SQL Server 2012 Setup	
		es for the Distributed Replay Client.		Error Reporting Help Microsoft improve SQL S			mine if the installation process will be blocked. For more information, click Help.
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Distributed Replay Controller Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Specify controller m Controller Name: Working Directory: Result Directory:	achine name and directory locations. C:\Program Files (x86)\Microsoft SQL Server\DReplayClie C:\Program Files (x86)\Microsoft SQL Server\DReplayClie	The second	Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Distributed Replay Controller Distributed Replay Controller Distributed Replay Client <b>Error Reporting</b> Installation Configuration Rules Ready to Install Installation Progress Complete	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings. See the Microsoft SQL Server 2012 Privacy Statement for more information. Read more about Microsoft Update and Automatic Update. Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction.	Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Distributed Replay Controller Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Operation completed. Passed: 7. Failed 0. Warning 0. Skipped 0. Show details >> View detailed report
		< Back Next >	Cancel Help		< Back Next > Cancel Help		< Back Next > Cancel

### 16. Distributed replay controller

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## **17.Error Reporting**

## **18.Installation Configuration Rules**

Click Next









19.Ready to Install

Start a long wait, it takes about 30-40 minutes

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– 🗆 ×	SQL Server 2012 Setup		-
	Complete Your SQL Server 2012 installa	tion completed successfully with product upda	ates.
	Setup Support Rules Setup Role	Information about the Setup operation or	possible next steps:
	Feature Selection	Feature	Status
ate.	Installation Rules	Management Tools - Complete	Succeeded
	Instance Configuration	Client Tools Connectivity	Succeeded
	Analysis Services Confi Reporting Services Con	wait while Microsoft SQL Server 2012 Service Pack	1 Setup processes the current operation.
	Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress <b>Complete</b>	been installed. By default, the Help Vie SQL Server, you can use the Help Lib your local computer. For more informa < <u>http://go.microsoft.com/fwlink/?Linklf</u> Summary log file has been saved to the fol	view and manage the documentation for SQL ewer component uses the online library. After rary Manager component to download docum tion, see <u>Use Microsoft Books Online for SQ</u> D=224683>.
Next > Cancel Help			Close

## **20.Installation Progress**

## 21.Complete

If the above interface appears, congratulations, the installation is successful.









Before connecting iVMS-4200 to the database, you need to make some settings for SQL Server before connection.

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Windows authentication;

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### 1.Set user password

after connecting other software to the database.



## 2.Modify user permissions, authentication mode



Microsoft SQL Server Management Studio

3. Set user sa to "grant" and "enabled"



4. Modify the database authentication mode to SQL Server and Windows authentication mode





## SQL Server Configuration Enable Protocols





5. Open SQL Server Configuration Manager

6. Right-click to enable Named Pipes and TCP/IP protocols respectively.

		Protocol Name	Status Enabled			
		TCP/IP	Enabled Enabled	TCP/IP Properties		
Protocol Name Shared Memory	Status Enabled			Protocol IP Addresses	Yes	
TCP/IP	Enabled Enabled			Keep Alive Listen All	30000 Yes	

7. Right click on the property and set it to Enabled







## Enable IP, restart service to take effect

E IP4			^
Active	Yes		~
Enabled	No		
IP Address	192.168.186.1		
TCP Dynamic Ports			
TCP Port	1433		
E 1P5			
Active	Yes		
Enabled	No		
IP Address	::1		
TCP Dynamic Ports			
TCP Port	1433		
E 1P6			
Active	Yes		
Enabled	Yes	-	
IP Address	127.0.0.1		
TCP Dynamic Ports			
TCP Port	1422		4

8. Set the computer's IP setting to "Yes"

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SQL Server Configuration Manager (Local)	Name			State	Star
SQL Server Services	SQL Serv	er Browser	Stopped	Oth	
SQL Server Network Configuration (32bit	SQL Serv	er Analysis Services	(MSSQLSERVER)	Running	Aut
SQL Native Client 11.0 Configuration (32)	SOL Sen	er Integration Service	ces 11.0	Running	Aut
Protocols for MSSQLSERVER	O SQL 9	Start		Running	Aut
SQL Native Client 11.0 Configuration	SQL :			Stopped	Mar
	TO SQL F	Stop	ther (MSSQLSERVER)	Running	Mar
	SQL S	Pause	SQLSERVER)	Running	Aut
		Resume			
		Restart			
		Properties			
		Help			

9. Restart SQL Server service to make the changes take effect



## Use sa account to test connection to database

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			Window Query		<b>%</b> ∣∦	50 B -	) - ( <sup>1</sup> ·			-
ject Explo			- ₽ ×	-						
nnect •		7 2 2	5						**. (?ð. :	
								🚽 Connect to S	Server	
									Serv	<b>er</b> 2012
								Server type:		Database Engine
								Server name:		DESKTOP-17D21LQ
				1000 000				Authentication:		SQL Server Authentication
								Login:		sa
								Password:		*****
										Remember password
									Connect	Cancel Help

10. Reopen SQL Server 2012 and switch to SQL SERVER authentication;

Login name: sa

Password: The password you set in step 2

If you can successfully log in, the previous changes have taken effect.

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11.If you can connect SQL Server successfully in previous step, please follow another operation video to connect iVMS-4200 to SQL Server





## SQL Server installation and configuration review

Restart the SQL Server service



Log in to the database using the sa account Create a <u>new database</u>

> Fill in the database information in iVMS-4200 Connect to the database