Digital Remote IP Series

User Manual

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1. Product Introduction

The Remote IP KVM Switch is a remote host control device that allows users to monitor and operate multiple servers via a standard TCP/IP network or locally.

2. Functional Characteristics

- Provides 1 x local user channel, supporting USB mouse/keyboard, VGA display interface
- Provides 1 x IP channel for remote user access
- Provides 1 x 10M/100M/1000M Ethernet interface, supports DHCP, PPPOE, and multiple network protocols
- Supports multi-platform server environments: Windows, Linux, Unix, Mac, Sun
- KVM switch remote user video resolution up to 1920 x 1080 @ 60Hz
- Advanced security mechanisms including password protection and advanced encryption technologies: Supports 64-bit DES and 128-bit AES data encryption.
- Access control mode (IP): Supports two access control methods: sharing and preemption.
 In sharing mode, up to 4 users can share access. In preemption mode, users with higher or equal privileges can take over the session, with notifications sent to the displaced user.
- Serial server function: Supports single-channel serial server functionality with TELNET and SSH protocols.
- Single-level monitoring of 1 server or up to 32 servers via port cascading: Allows management of up to 32 servers through daisy-chaining.
- Supports hot-swapping: Devices can be connected or disconnected without powering down the system.

3. Technical Specifications

Graphic Processing		1 channel, max resolution 1080P, real-time H264 encoding / decoding			
Control Port	local user		1 local us	er (synchronous display)	
Quantity	remote user		1 remote u	user (synchronous display)	
Computer Coni	nection		1 direct	ly connected computer	
		Local	Keyboard	USB	
Connection Int	f	Control	Mouse	USB	
Connection int	erraces	Port	Display	VGA	
		Network P	ort	RJ-45	
Video Resolutio	on	Local 1920	x1440 @ 60Hz; re	emote 1920 x 1080 @ 60Hz	

4. Connections

LAN	RS232	Loc	al Console

Port	Description
LAN	For network interface (10/100 Mbps)
RS232	For serial devices
Local Console - USB	For local user mouse/keyboard
Local Console -VGA	For local user display



5. Special Functions

Serial server function supporting single serial server function, supporting TELNET and SSH protocols

6. Configuring Target Servers

To optimize bandwidth efficiency and video performance, configure the target servers running Windows[®], Linux[®], X-Windows, Solaris[™], KDE, and other graphical user interfaces.

Avoid complex gradient images for desktop backgrounds to prevent performance degradation. Also, fade effects can negatively impact performance.

To ensure synchronization between client and server mouse cursors, set the target server's mouse properties to "No acceleration." Different target operating systems have different mouse configuration requirements.

7. Software Installation and Operation

7.1 Hardware Requirements

- Central Processing Unit (CPU): Clock speed of 1GHz or higher; Intel Pentium 4 or newer processors are recommended.
- Memory: 256MB or more.
- Hard Drive: At least 200MB of available disk space.
- Display: recommend the display with 16-bit true color or higher.
- Drive: CD-ROM drive (optional).
- **Operating System**: Windows XP or later versions (software only works on Windows OS)

7.2 Software Installation

- 1. Unzip file "SVC3000 2.4.9.9 EN". Please ensure no security software is blocking the installer.
- 2. Launch the application named "setup.exe" to proceed with the installation



setup.exe

3. When the installation is successful, there will be a new icon appearing on the desktop, named "SmartView", open it to enter the IP module login page.



7.3 Software Operation

1. Login with default username and password:

Default Username: admin

Default Password: 123456



2. Click on "Search device", this is for scanning and identifying all devices within a network segment and selecting the devices to be added as needed.



Search Device	Э				Х
IP address	192 .	168 . 0	. 255	0 1	٦
Mask	255 .	255 . 255	. 0	Search	
IP address	Devic	Connect			
					8
2					
_					
	Add		Cancel	1	

3. Select the IP KVM needed and add the device.

Search Device			×
IP address 192 .	168 . 0 .	255	
Mask 255 .	255 . 255 .	Search	
IP address	Device	Connection	
192, 168. 0. 100	EV6000	5900	
Add		Cancel	

4. Double click the added device to enter the operation

