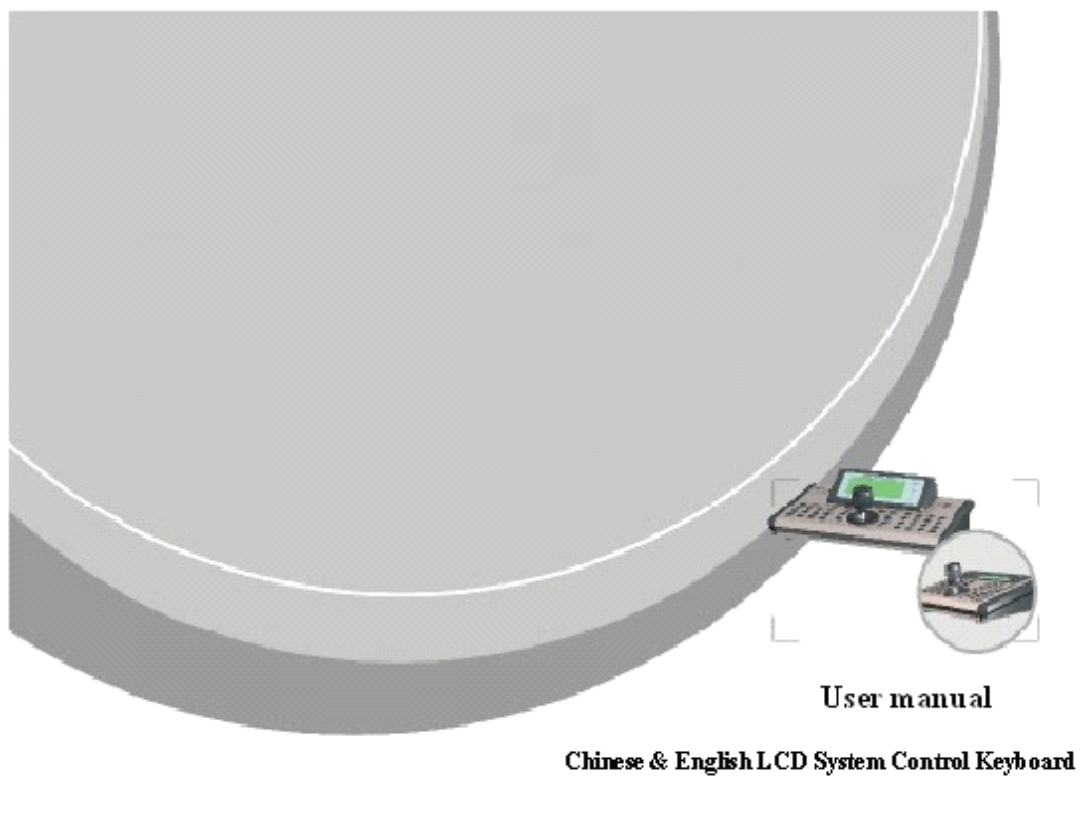


Sony EVI-D100P、D70P、BRC-300P 控制键盘（CK 系列）使用手册

REACHWIN CK series Camera Control Keyboard



Sony EVI-D100P、D70P、BRC-300P 控制键盘（CK 系列）使用手册

User manual

REACHWIN CK 系列摄像机控制键盘

REACHWIN CK series Camera Control Keyboard

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第一章 概述

Chapter 1 Generation Introduction

特点

Characteristics

高品质铝合金材面板，全模具设计，美观时尚的外形。

High-quality panel is made of the aluminum alloy, full-mould designed and the figuration is beautiful and fashionable.

大屏幕点阵（192*64）液晶显示屏，中英文操作、菜单显示。

Big-screen latticed（192*64）liquid crystal display (LCD) with the functions of operation in English or Chinese and the menu display.

显示屏可以在 0-29 度之间任意转动和定位（仅限大键盘）。

The display screen can be arbitrarily turned or positioned between 0-29 degrees (only applicable to the big keyboard).

三维变速矢量摇杆。

Three-dimensional shifting vector rocker

加强的 RS-485 总路线，充分体现了高效、优秀的 RS-485 总线管理功能。一根双绞屏蔽电缆上可并接多达 32 个键盘，每个键盘独立与相关设备进行双向半双工通讯。

The strengthened RS-485 general lines fully embody the effective and excellent management function of RS-485 bus line. A shielded twist pair cable can be connected in parallel with keyboards up to up to 32, each of which can have two—way semi duplex communication respectively with the relevant equipment.

RS-232/RS-422 全双工通讯接口，为用户扩展设备功能提供保障。

RS-232/RS-422 full-duplex communication interface allows users to expand their equipments.

RS-485、RS-422 通讯接口，提供浪涌、静电及瞬间脉冲三重保护。

RS-485、RS-422 communication interface providing treble protections of surge, static and instant pulses.

提供系统保密、安全机制；操作员上电注册，系统控制级别严谨。

The secret-keeping and safe mechanism is provided, the system control is very strict, so the operator should make registration when using the computer.

摄像机镜头的光圈、变焦、调焦控制速度可调，为精确调整摄像机镜头提供情报方便。

The aperture, zooming and focusing control speed of the camera can be adjusted, which provides facility for the precise adjustment of the camera lens.

实时监测显示器所监视的摄像机号，设备状态提示丰富明瞭。

Real-time detect the camera No. monitored, notes for the state of the equipment is plenty and easy to understand.

严谨、科学的操作规范，为准确地控制设备提供方便。

The precise and scientific operations facilitate the precise control of the equipment.

设备自检、系统总线监测、多协议操作，功能强大。

With self-detection, system bus monitoring, multi-protocol operations, its function is very strong.

注意事项

Notes

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设备的安装、连接、应由有资格的维修人员或维护人中负责进行。

The installation and connection of the equipment should be carried out by the qualified maintenance person or service man.

请勿擅自拆卸机件，机内无用户能自行维修的零件。各项维修工作应由有资格的维修人员负责进行。

Do not make bold to disassemble the parts for there are no parts which can be repaired by users in the equipment. All the maintenance work should be carried out by the qualified service man.

不要在温度或湿度极端的环境下使用本设备,在温度 0°C~+45°C，湿度小于 90%的环境下使用本设备。

The equipment should not be used under the extreme circumstances of the temperature 0°C~+45°C and humidity less than 90%.

请勿重压本设备，应避免本设备受碰或振动等。使用或存放不当，机件会受损害。

The equipment can not be heavily pressed, the collision and vibration should be avoided. Improper use or storage will result in the damage of the equipment.

不要用强力洗涤剂或研磨剂擦洗本设备主体。本设备污垢后，请用干布小心擦拭。污垢难以清除时，则用柔性洗涤剂轻轻擦洗干净。

Do not wash the main body of the equipment with strong scour or abrasive. Please use the dry cloth to clean the equipment when it is dirty; and the soft scour should be used to wash the equipment if the dirt is hard to clear.

不要让本设备淋湿或沾水。本设备弄湿时，应立即采取必要措施，把电源断开，请专业维护人员加以处理。

The equipment should be kept dry. If the equipment is wet, necessary measures should be adopted immediately such as switching off the power and professional service man should be asked to deal with the equipment.

第二章 键盘部件介绍

Chapter2 Introduction to the Keyboard Parts

主视图

Front View



①系统控制按键。系统监视器、摄像机等到控制按键，释放作用。

System control key. The control key can release the system monitor and camera.

②镜头控制按键。Camera control key. ZOOM（WIDE、TELE）、FOCUS（FAR、NEAR）按键，按下作用。

The keys of ZOOM（WIDE、TELE）、FOCUS（FAR、NEAR）activate when pressing.

③三维变速矢量摇杆。左、右、上、下及其组合摇动、左旋（WIDE）、右旋（TELE）。

Three-dimensional shifting vector rocker, It can be moved left, right, upward, downward, done the combined rocking, revolved leftward and rightward.

④摄像机参数调节按键。调节摄像机光圈等摄像机参数。ADJUST ITEM 二键选择摄像机参数项目，释放作用。IRIS 二键控制大、小，按下作用。

The key for the parameter adjustment of the camera are used to adjust the camera parameters such as the aperture. The two keys of ADJUST ITEM can be used to choose the items of the camera parameter and activate when releasing. The two keys of IRIS can used to control the size, which activate when pressing.

⑤对象选择按键。Object choosing keys. DVR、AREA、MON、CAM 四键，用于选择控制对象，释

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放作用。

The four keys of DVR、AREA、MON、CAM can be used to choose the controlling object, which activate when releasing.

⑥数字键盘。数字 0-9，CLR、ENTER 按键，输入数据，释放作用。

Numeric keyboard. The 0-9 numeric keys and the CLR、ENTER are used to type in data, which activate when releasing.

⑦显示屏转轮显示屏在 0-29 度之间任意转动和定位（仅限大键盘）。

The screen wheel. The display screen can be arbitrarily turned or positioned between 0-29 degrees (only applicable to the big keyboard).

⑧状态提示灯。电源提示、RS-485 接口通讯提示

The indicator light of state. The indicators of power and RS-485 interface communication

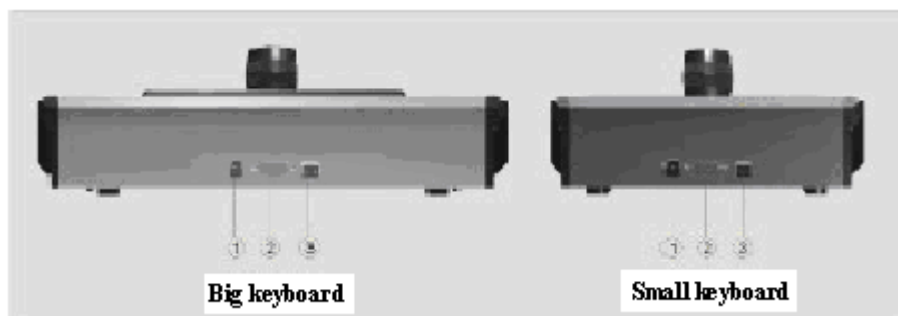
⑨液晶显示屏。大屏幕点阵（192*64）液晶显示屏，系统信息、操作显示

Liquid crystal display

Big-screen latticed（192*64）liquid crystal display (LCD), the system information and the operation display.

3

俯视图 Top view



①电源输入：DC12V 1000mA

The power input: DC12V 1000mA

②RS-232、RS-422 接口：针式 D-sub9，全双工通讯，根据特定应用开发的通讯接口。例如：VISCA 机型用于直接对 VISCA 摄像机控制。

RS-232、RS-422 interface: It is the interface of needle-type D-sub9, full-duplex communication developed according to special application. For instance, the VISCA mode is applicable to control the VISCA camera directly.



引脚	电气定义
1	空
2	RXD
3	TXD
4	空
5	GND
6	Rx+
7	Rx-
8	Tx+
9	Tx-

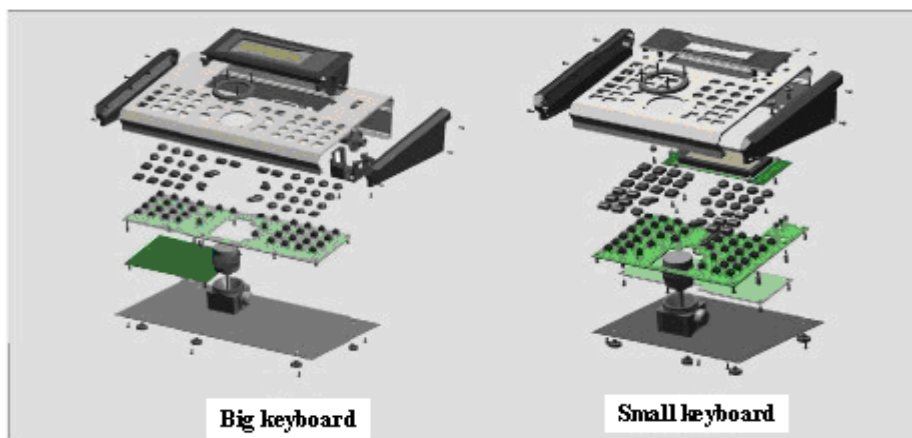
引脚 Electronic ChipPin
电气定义 Electrical Definition
空 Null

③RS-485 接口：2 芯挺拔式螺丝头跨接片，半双工通讯。是本设备的主通讯接口，矩阵、硬盘、摄像机等设备均并接本接口，用户可选择各种设备的通讯协议，如：PELCO-D、PELCO-P 等对设备进行控制

RS-485 interface: it is a two-core straight screwed joint stride slice, semi-duplex communication. They are main communication interfaces of the equipment, which can be applicable to equipments of matrix, hard disc and camera. Users can select communication protocols in accordance with the equipments, e.g., PELCO-D、PELCO-P to control relevant equipments.

拆装图

Assembly View



第三章 操作方法

Chapter 3 Methods of Operation

开机：接通电源

Start-up: switch on the power

1 液晶屏出现欢迎词，按键、变速摇杆等自检。自检不通过，键盘提示错误，等待解决。

The welcome words will appear on the liquid crystal display and the self-detection of the keys and shifting rocker will carry on. If the self-detection can not be passed, the user will be informed of error” on the keyboard. The solution to the problem should be found.

2 按住 **ENTER** 键，可加快该过程。

Pressing and holding the ENTER key will speed up the process.

3 用户登录或直接提示用户进入工作状态。

Users Login in or directly informed to enter into the work mode.

用户登录：USER 键

User login: USER key

The priority1	The priority2-3	The priority4-8	The priority9-16
The user number 401			
The system setup	The user number301 The user number302		
		The user number201	
		The user number202	
		The user number203	
		The user number204	
		The user number205	
			The user number101
			The user number102
			The user number103
			The user number104
			The user number105
			The user number106
			The user number107
			The user number108
The programmer 1	The person of setup 2	The controller 5	The operator 8

用户口令：出厂均为 **0000**

The user’s password is 0000 when out of the factory

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监视器操作

Monitor Operations

Sequence	Tasks of Operation	Methods of Operation	Notes
1	Select the area	AREA a ENTER	Select the No.a area as the current area (the area system)
2	Select the monitor	MON m ENTER	Select the No.m area as the current monitor
3	Set up the access control	ON MON ENTER	the user's control right is the lowest.
4	Cancel the access control	OFF MON ENTER	Cancel the access control (any operator can do it)
5	Set up alarming probe defense	ON MON 0 ENTER	Set up matrix alarming probe defense
6	Cancel alarming probe defense	OFF MON 0 ENTER	Cancel matrix alarming probe defense
7	The time-signal character display is on .	ON MON 1 ENTER	Switch on the clock display
8	The time-signal character display is off.	OFF MON 1 ENTER	Switch off the clock display.
9	The address character display is on .	ON MON 2 ENTER	Switch on the title display of the camera.
10	The address character display is off.	OFF MON 2 ENTER	Switch off the title display of the camera.
11	Access the switch mode	CALL MON m ENTER	Enter into No. m switch mode
12	Add the camera	CAM c ON	Add No. C camera
13	Delete camera	CAM c OFF	Delete No. C camera
14	Set auto switch time	DTIME t RUN	t 秒 The residence time for auto switch is 1 second.
15	Run/ suspend auto switch	RUN、 HOLD	Auto switch start up/ stop
16	Manually switch the camera	PREV/NEXT	机 Manually switch the camera forwards or backwards
17	Enter into menu screen of sequence switch	SET MON ENTER	The state of the menu. Press ON to add the camera; press off to cancel the camera.
18	Set volume.	VOLUME v ENTER	Set the monitor volume to v level(0:turning down the volume; 8:turning up the volume)
19	Enter into fine tune	VOLUME ENTER	Press PREV to turn down the volume, NEXT to turn up the volume, any other keys to cancel.

注：表中操作方法，是按键或按键组合完成操作内容所述功能。大写的英文为设备相应按键，小写的英文为相应数值，需按数字键盘的一个或几个数字键完成。

Notes: the operational methods in the table can help you to finish the functions described in the operational contents by keys or combined keys. Capital English words stand for relevant equipments, and the lower case stand for relative values. Operations will be finished by pressing one or more keys.

例如：选择 15 号监视器为当前监视器，操作过程为：按 **MON** 键，再按 **1** 键，再按 **5** 键，再按 **ENTER** 键。

For instance, select No. 15 monitor as the current monitor, you should follow the procedures : press key MON, then key 1, 5 and enter in the end.

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默认摄像机操作

Default Camera Operations

Sequence	Tasks of Operation	Methods of Operation	Notes
1	Select the area	AREA a ENTER	Select the No.a area as the current area (the area system)
2	Select the camera	CAM c ENTER	Select No. c camera as the current camera
3	Move camera and Zoom	Three-dimensional shifting vector rocker (joystick)	Move left, right, upward, downward, revolve leftward and rightward.
4	Lens zoom	ZOOM(WIDE、TELE)	Short, long
5	Lens focus	FOCUS(FAR、NEAR)	far, near(only effective when setting the camera to manual focusing)
6	Lens iris	IRIS(OPEN、CLOSE)	far, near(only effective when setting the camera to manual lens iris)
7	Set the control speed of the lens	SET s {LENS} ENTER	Set the controlling speed of the lens as s-level [1 (slow) —9 (fast)]
8	Switch off assistant function or assistant switch	ON CAM f ENTER	Switch on or off the No.f assistant function or switch of the camera (as to the definition, referring to the detailed functional definition of the equipment)
9	Additional function Auxiliary switch switches on	OFF CAM F ENTER	
10	Set the preset point	SET p ENTER	set the current scanner position as the No.p (1-239) preset point.
11	Visit preset point	CALL p ENTER	Transfer the current scanner to position of the No.p (1-239) preset point.
12	Insert into the preset point by automatic perambulation	SET p ON	Join the No.p (1-239) preset point by the automatic perambulation track.
13	Cancel the preset point by automatic perambulation	SET p OFF	Cancel the No. p (1-239) preset point by the automatic perambulation track.
14	Delete all preset points of automatic perambulation	SET 0 OFF	Delete the trace of automatic perambulation
15	The residence time for the automatic perambulation preset point:	DTIME t PATTERN	Set the residence time for the automatic perambulation preset point and start the automatic perambulation.
16	Start up the automatic perambulation	PATTERN	Start up the automatic perambulation
17	Set the starting position of the automatic horizontal scan	SET ON	
18	Set the end position of the automatic horizontal scan	SET OFF	
19	Set the speed of the automatic horizontal scan	DTIME s AUTOPAN	Set the speed of the automatic horizontal scan and start automatic horizontal scan.
20	Start automatic horizontal scan	AUTOPAN	Start automatic horizontal scan

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注：1、符合默认协议的摄像机，遵循以上操作，选用其他协议摄像机，一些功能可能不支持，请参阅摄像机的操作方法。

Notes: 1. the camera incompatible with default protocols can operate according to the above-mentioned methods. Otherwise, some functions maybe can not be supported, please refer to the operation methods of the camera.

2、{LENS}指 WIDE、TELE、FAR、NEAR、OPEN、CLOSE 六个按键。

{LENS} refers to keys of WIDE、TELE、FAR、NEAR、OPEN、CLOSE.

菜单操作



Menu Operations

1 进入菜单：MENU 键


Enter into the menu: press the MENU key


2 退出菜单：CANNCEL 键


Quit the menu: press the CANNCEL key


3 菜单状态提示：屏幕右下角闪烁提示  或 

The indication of the menu state: the  and  flicker at the right corner downward of the screen.

3.1 闪烁提示 ：菜单处于菜单项选择状态，2/▲、4/◀ 5/● 6/▶ 8/▼ 五个键可调节菜单的选项。ENTER 键是有效的，其作用与 5/● 键相同。

The flickering indication : the menu is under the choice state of the menu item and five keys, 2/▲、4/◀ 5/● 6/▶ 8/▼, can be used to adjust menu items. The ENTER key is effective, and acts the same as the other keys 5/●.

3.2 闪烁提示 ：菜单处于数据输入状态。数字（0-9）键，CLR 键输入数据，ENTER 键有效

The flickering indication : the menu is under the state of data entry. Numeric keys (0-9), and the CLR key can be used to enter the data, being the same effect as the ENTER key.

3.3 按 ADJUST ITEM (<、>) 键可切换上述二种菜单状态

The above two menu states can be switched by pressing the ADJUST ITEM (<、>).

系统菜单项介绍

The Introduction to the System Menu

1 用户登录

User Login

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2 系统设置：区域属性、摄像机位数、协议、波特率等设置，VISCA 协议设备无此菜单，必为摄像机设置菜单（其内容详见 11 页）

The system setup: the setup of the area attribute, the camera digit, the protocol and the baud rate, the menu should be set for the camera for there is no menu in the VISCA protocol equipment.

3 默认设置

Default setting

4 语言选择：中文、英文

Select languages: Chinese / English

5 区域系统设置：区域系统多级切换连接状态

The setup of the area system: the multilevel switching connection states of the area system.

6 控制范围：区域、摄像机、监视器、矩阵报警编号

The control scope: the area, the camera, the monitor and the matrix alarming number.

7 镜头速度：变焦、光圈、调焦的控制速度。该菜单中{LENS}键可作相应测试

The aperture, zooming and focusing control speed. The LENS key in the menu can be tested correspondingly.

8 顺序切换设置：在该菜单的摄像机设置中，按 ON 键，加入摄像机；按 OFF 键，删除摄像机

The setup of the sequence switching: add the camera by pressing the ON key; delete the camera by pressing the OFF key in the camera setup of the menu.

9 口令设置：401 用户设置用户的密码

Password setup: User 401 set the user's code

10 修改口令：用户修改自己的密码

Change the password: user change it as his own code.

系统快捷操作

System Shortcut Operations

Sequence	Tasks of Operation	Methods of Operation t	Notes
1	Restart by keyboard	FUNC ENIER	
2	关 the sound of keys :on/off	FUNC 0 ENIER	Need the key sound or not
3	Select hard & obstinate protocol as the default one	FUNC 1 ENIER	It is the company's control protocol.
4	Select the Pelco-D as the control protocol.Choosing the Pelco-D as the controlling agreement	FUNC 2 ENIER	Memory.
5	Select the Pelco-P as the control protocol.	FUNC 3 ENIER	Memory.
6		FUNC 4 ENIER	
7		FUNC 5 ENIER	
8		FUNC 6 ENIER	
9		FUNC 7 ENIER	
10	Select Haikang as the DVR control protocol	FUNC 8 ENIER	Memory.
11	Select the Dahua as the DVR control protocol	FUNC 9 ENIER	Memory.
12	Language switching between Chinese and English	FUNC 10 ENIER	Memory. Change the display language on the screen
13	Turn on/off the LCD background light	FUNC 11 ENIER	Turn off the LCD background light manually
14	Enter into the setting menu of lens-control speed	FUNC 12 ENIER	lens control speed of some cameras are adjustable.
15	Enter into the menu for the user to chang the login code	FUNC 13 ENIER	The user changes his own login code.
16		FUNC 14 ENIER	
17		FUNC 15 ENIER	
18	Select 2400 as the control baud rate	FUNC 24 ENIER	Some protocols with the fixed baud rate are not adjustable.
19	Select 4800 as the control baud rate	FUNC 48 ENIER	Some protocols with the fixed baud rate are not adjustable.
20	Select 9600 as the control baud rate	FUNC 96 ENIER	Memory. Some protocols with the fixed baud rate are not adjustable.

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系统编程快捷操作-必须注册 401 用户

The shortcut operation of the system programming—for the registered 401 user

Sequence	Tasks of Operation	Methods of Operation	Notes
1	system type	FUNC 20 ENTER	whether the system is the area net system or the non-area unified system
2	Denotation method for the camera	FUNC 21 ENTER	Select the camera being expressed with 3 digits or 4 digits
3	User login mode when electrified	FUNC 22 ENTER	Need the user to login in or not when electrified
4	Alarm display	FUNC 23 ENTER	There is necessary or not to handle the alarming matters.
5	the alarming indication for the video losses	FUNC 25 ENTER	There is need or not to handle the alarming matters of losing the video.
6	Control the LCD background light manually or automatically	FUNC 26 ENTER	The auto control default LCD background light when out of the factory
7	Enter into the type-setting menu of the SONY camera	FUNC 27 ENTER	VISCA mode
8	Enter into the setting menu of the control scope	FUNC 28 ENTER	The alarming scope for the matrix camera and monitor.
9	Enter into the menu of setting the user logging code	{ FUNC 29 ENTER	Set the user's login code
10	Enter into the system setting menu	FUNC 30 ENTER	the setting of the password, system type and the expression manner of the camera
11	Enter into the system setting menu	FUNC 31 ENTER	the setting of the area linkage connection(the area system)
12			
13			
14			
15			
16			
17			
18			
19			
20	the keyboard reset to the out-of-factory default state	FUNC 8888 ENIER	

注：1. 选择区域系统,摄像机只能用3位来表示.选择摄像机用4位来表示,即将系统控制类型设置为非区域统一系统.

Note: 1 Select area system, and the camera can be only represented by 3 bits. Camera selection can be represented by 4 bits, and system control type is set as non area uniformed system.

2. VISCA 机型,固定为非区域系统,摄像机用3位表示的应用环境.

2. VISCA mode is used as non area system solely. The applicable environment is the camera represented by 3 bits.

VISCA 摄像机设置菜单 1

VISCA Camera Menu Screen 1

Main menu	Sub menu	Second sub menu
1.ZOOM	1.1 DIGITAL ZOOM	1.1.1 DIGITAL ZOOM ON
		1.1.2 DIGITAL ZOOM OFF
	1.2 ZOOM SPEED	1.2.1 SPEED: STANDARD
		1.2.2 SPEED: VARIABLE ZOOM RATE:4(1:S-9:F)
2.FOCUS	2.1 FOCUS:AUTO	2.1.1 NORMALAF
		2.1.2 INTERVALAF
		2.1.3 ZOOM TRIGGER AF
	2.2 FOCUS: MANUAL	
2.3 ONE PUSH TRIGGER		
3.EXPOSURE	3.1 EXPOSURE:AUTO	3.1.1 FULL AUTO
		A) SLOW SHUTTER:AUTO
		B) SLOW SHUTTER:MANUAL
		3.1.2 SHUTTER PRIORITY
		3.1.3 IRIS PRIORITY
	3.1.4 BRIGHT MODE	
	3.2 EXPOSURE:MANUAL	
4.WHITE BALANCE	4.1 W/B:AUTO	
	4.2 W/B:MANUAL	
	4.3 W/B:INDOOR	
	4.4 W/B:OUTDOOR	
	4.5 W/B:ONE PUSH WB	
	4.6 W/B:ATM	
	4.7 W/B:ONE PUSH TRIG	
5.FUNCTION	5.1 BACK LIGHT	5.1.1 BACK LIGHT :OFF
		5.1.2 BACK LIGHT :ON
	5.2 EXPO COMPENSATION	5.2.1 EXPO COMP: ON
		5.2.2 EXPO COMP: OFF

VISCA 摄像机设置菜单 2

VISCA Camera Menu Screen 2

Main menu	Sub menu	Second sub menu
5.FUNCTION	5.3 INFRARED MODE	5.3.1 INFRARED MODE:ON
		5.3.2 INFRARED MODE:OFF
	5.4 AUTO INFRARED MODE	5.4.1 AUTO INFRARED:ON
		5.4.2 AUTO INFRARED:OFF
	5.5 POWER	5.5.1 POWER:ON
		5.5.2 POWER:OFF
	5.6 IR_RECEIVE	5.6.1 IR_RECEIVE:ON
		5.6.2 IR_RECEIVE:OFF
	5.7 R_RECEIVE RETURN	5.7.1 IR_RECEIVE RETURN:ON
		5.7.2 IR_RECEIVE RETURN:OFF
	5.8 DATA DISPLAY	5.8.1 DATA DISPLAY:ON
		5.8.2 DATA DISPLAY:OFF
	5.9 TITALEDISPLAY	5.9.1 TITLE DISPLAY:ON
		5.9.2 TITLE DISPLAY:OFF
6.OTHERS	6.1 PICTURE EFFECT	6.1.1 EFFECT:OFF
		6.1.2 EFFECT:NEG.ART
		6.1.3 EFFECT:B&W
	6.2 FLIP OR MIRROR	6.2.1 FLIP OR MIRROR:OFF
		6.2.2 FLIP OR MIRROR:ON
	6.3 FREEZE IMAGE	6.3.1 FREEZE IMAGE:OFF
		6.3.2 FREEZE IMAGE:ON
	6.4 PAN REVERSE	6.4.1 PAN REVERSE:ON
		6.4.2 PAN REVERSE:OFF
	6.5 TILT REVERSE	6.5.1 TILT REVERSE:ON
6.5.2 TILT REVERSE:OFF		
7.INITIALIZE	7.1 CONTROL INITIALIZE	
	7.2 LENS INITIALIZE	
	7.3 COMP SCAN	

注：一些功能只针对 D70 有效；一些功能只针对 BRC300 有效。

Note: some functions can take effects for D70, some for BRC300.

VISCA 摄像机操作

VISCA Camera Operations

Sequence	Tasks of Operation	Methods of Operation	Notes
1	Move camera and Zoom	joystick	Move left, right, upward, downward, revolve leftward and rightward.
2	Lens zoom	ZOOM(WIDE.TELE)	short, long
3	Set the control speed of the lens	SETs{ZOOM}ENTER	Set the controlling speed of the lens as s-level [1 (slow) —9 (fast)]
4	Lens focus	FOCUS {FAR.NEAR}	far, near(only effective when setting the camera to manual focusing)
5	Set the preset point	SET p ENTER	Set the current scanner position at the No.p (1-239) preset point.
6	Visit presupposition point	CALL p ENTER	
7	Camera parameters adjustment		
7.1	Select and adjust parameter items of the camera	ADJUST(<.>)	Cyclicly select parameter items of the camera
7.2	Camera parameters adjustment	ADJ(+.-)	Adjust parameter of the camera according the adjustment parameter items of the camera
7.3	Camera parameters reset	SET CAM OFF	Adjust parameter of the camera according the adjustment parameter items of the camera
8	The automatic perambulation of the camera(the function will influence the service life of the camera, only effective to the current camera)		
8.1	Insert into the preset point by automatic perambulation	SET p ON	Join the No.p (1-239) preset point by the automatic perambulation track.
8.2	Delete the preset point by automatic perambulation	SET p OFF	Delete the No.p (1-239) preset point by the automatic perambulation track.
8.3	Delete the preset point by automatic perambulation	SET o OFF	Delete automatic perambulation trace
8.4	The residence time for the automatic perambulation preset point:	DTIME t PATTERN	Set the residence time for the automatic perambulation preset point and start the automatic perambulation.
8.5	Start the automatic perambulation	PATTERN	Start the automatic perambulation
9	The automatic perambulation of the camera(the function will influence the service life of the camera, only effective to the current camera)		
9.1	Set the starting position of the automatic level scan	SET ON	
9.2	Set the end position of the	SET OFF	

Sony EVI-D100P、D70P、BRC-300P 控制键盘（CK 系列）使用手册

	automatic horizontal scan		
9.3	Set the speed of the automatic horizontal scan	DTIME s AUTOPAN	Set the speed of the automatic horizontal scan and start automatic level scan.
9.4	Start automatic horizontal scan	AUTOPAN	Start automatic horizontal scan

注:1. 符合 VISCA 协议的 D100,D70.BRC300,遵循以上操作.

Notes 1、The camera of D100,D70.BRC300 according with the VISCA agreement can operate according to the above mentioned way,

2. 摄像机参数项目依次为 :Iris(光圈).Gain(增益).Shutte(快门).Bright(亮度).ExpComp(曝光补偿).RFain(红色增益)BGain(蓝色增益).Aperture(光圈孔径)。

2、The camera' s parameter items are as follows sequentially: Iris, Gain, Shutter, and Bright. Exp Comp. Rgain BGain . Aperture

VISCA 摄象机快捷操作

Shortcut Operations of VISCA Camera

Sequence	Tasks of Operation	Methods of Operation	Note
1	Control Initialization	ON CAM 0 ENTER	Address Settings, I/F (Instructions) Clear (The operation is executed when the change of network.)
2	Clear settings of pan. Software Limit Switch of Video Lens	OFF CAM 0 ENTER	Reset the access of the lens operation to the maximum
3	Wireless controller switches on.	ON CAM 1 ENTER	Wireless controller control.
4	Wireless Controller switches off.	OFF CAM 1 ENTER	Wireless Controller fail to control.
5	Camera switches on.	ON CAM 2 ENTER	Camera switches on.
6	Camera switches off.	OFF CAM 2 ENTER	Camera switches off.
7	Information display switches on.	ON CAM 3 ENTER	Camera information display switches on.
8	Information display switches off.	OFF CAM 3 ENTER	Camera information display switches off.
9	Title display switches on.	ON CAM 4 ENTER	Camera information display switches on.
10	Title display switches off.	OFF CAM 4 ENTER	Camera information display switches off.
11	Backlight compensation switches on.	ON CAM 5 ENTER	Camera Backlight compensation switches on.
12	Backlight compensation switches off.	OFF CAM 5 ENTER	Camera Backlight compensation switches off.
13	auto iris	ON CAM 6 ENTER	auto exposal
14	manual iris	OFF CAM 6 ENTER	Manual: Iris, Gain and shutter, adjustable.
15	automatic focus	ON CAM 7 ENTER	Automatic focus switches on.
16	Manual focus	OFF CAM 7 ENTER	Automatic focus switches on. Focus, adjustable.
17	Mirror image of L/R: switches on.	ON CAM 8 ENTER	Mirror image of L/R switches on.

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	Mirror image of Up/Down switches on.		BRC-300
18	Mirror image of L/R: switches off.	OFFCAM 8	Mirror image of L/R switches off.
	Mirror image of Up/Down switches off.	ENTEROFFCAM 8 ENTER	BRC-300
19	Freeze	ON CAM 9 ENTER	Pictures freeze.
20	Activate	OFF CAM 9 ENTEROFF CAM 9 ENTER	Pictures activate.
21	Photo negative effect switches on.	ON CAM 10 ENTER	Photo negative effect switches on.
22	Photo negative effect switches off.	OFF CAM 10 ENTER	Photo negative effect switches off.
23	Echo message of wireless controller switches on.	ON CAM 11 ENTER	Echo signals are detected when wireless controller controls.
	Cmd-Tally		BRC-300
24	Echo message of wireless controller switches off.	OFFCAM 11 ENTER	Echo signals are not detected when wireless controller controls.
	Cmd-Tally		BRC-300
25	Electronic zoom switches on.	ON CAM 12 ENTER	Electronic zoom switches on.
26	Electronic zoom switches off.	OFF CAM 12 ENTER	Electronic zoom switches off.

VISCA 摄象机快捷操作-2

Shortcut Operations of VISCA Camera-2

Sequence	Tasks of Operation	Methods of Operation	Notes
27	Infrared Mode ON	ON CAM 13 ENTER	Infrared mode switches on.
28	Horizontal inversion of camera switches on.		BRC-300
29	Infrared Mode OFF	OFF CAM 13 ENTER	Auto infrared mode switches off.
30	Horizontal inversion of camera switches off.		BRC-300
31	Auto Infrared Mode ON	ON CAM 14 ENTER	Auto infrared mode switches on.
32	Vertical inversion of camera switches on.		BRC-300
33	Auto Infrared Mode OFF	OFF CAM 14 ENTER	Auto infrared mode switches off.
34	Vertical inversion of camera switches off.		BRC-300
35	Write CAMERA No.	ON CAM 15 ENTER	
36	Clear the title	OFF CAM 15 ENTER	
37	Exposure Compensation ON	ON CAM 16 ENTER	ExpComp switches on, adjustable.
38	Exposure Compensation OFF	OFF CAM 16 ENTER	ExpComp switches on, nonadjustable.
39	Camera switches off when in idle mode. {}	SET 0 CAM t ENTER	T is the fixed time 0-1791 minutes (BRC-300 ineffective)
40	AE mode of the camera setting	SET 1 CAM 0 ENTER	Full automatic
		SET 1 CAM 1 ENTER	manual: Iris, Gain and shutter, adjustable.
		SET 1 CAM 2 ENTER	Shutter superior: shutter adjustable.
		SET 1 CAM 3 ENTER	Iris superior: Iris adjustable
		SET 1 CAM 4 ENTER	Bright; Bright adjustable.
		SET 1 CAM ENT	Select menu and enter into AE

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		ER	mode.
41	WB mode of the camera setting	SET 2 CAM 0 ENTER	Auto
		SET 2 CAM 1 ENTER	Indoor
		SET 2 CAM 2 ENTER	Outdoor
		SET 2 CAM 3 ENTER	On Push WB
		SET 2 CAM 4 ENTER	ATW Auto-trace(BRC-300 ineffective)
		SET 2 CAM 5 ENTER	Manual RGain, BGain, adjustable.
		SET 2 CAM 6 ENTER	On Push Trigger
		SET 2 CAM ENTER	Select menu and enter into WB mode.
42	Photo display effect of the camera setting	SET 3 CAM 0 ENTER	Special photo display effect of the camera
		SET 3 CAM 2 ENTER	Photo negative display
		SET 3 CAM 4 ENTER	Black & White display

第四章 技术参数

Chapter 4 Technical Specifications

技术参数 Technical specifications

1. 通讯接口: Communication interface

1.1 RS-485 半双工双向分布式 **RS-485**

half-duplex two-way distribution

1.2 RS-232 半双工/**RS-422** 全双工

RS-232 half-duplex/ RS-422 full-duplex

2. 通讯波特率: **2400、4800、9600BPS**

Baud rate: 2400、4800、9600BPS

3. 供电电源: **DC12V 1000mA**

Power supply: DC12V 1000mA

4. 功耗: **<10W**

Power Dissipation: <10W

5. 外形尺寸: Block Dimension

大键盘: 318*190*99mm **Big keyboard:** 318*190*99mm

小键盘: 215*190*99mm **Small keyboard:** 215*190*99mm

6. 重量: weight

大键盘: 2.2kg **Big keyboard:** 2.2kg

小键盘: 1.5kg **Small keyboard:** 1.5kg

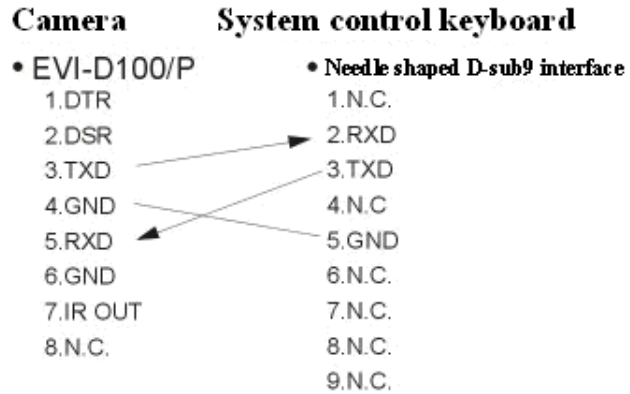
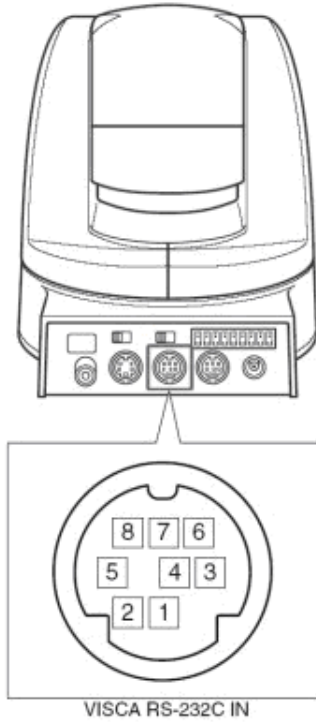
附表: 键盘按键英文/中文对照表 Appendix: Chinese-English Table of Keys

Sequence	English	Chinese	Sequence	English	Chinese
1	AREA	Area	16	OFF	OFF
2	MON	MON	17	SET	Set
3	CAM	CAM	18	CALL	Call
4	DVR	DVR	19	VOLUME	VOLUME
5	CLR	CLR	20	DTIME	DTIME
6	ENTER	ENTER	21	AUTOPAN	AUTOPAN
7	MENU	MENU	22	PATTERN	PATTERN
8	CANCEL	EXIT	23	ADJUSTITEM: <	ADJUSTITEM (LEFT)
9	USER	USER	24	ADJUSTITEM: >	ADJUSTITEM (RIGHT)
10	FUNC	FUNC	25	ZOOM:WIDE	ZOOM:WIDE
11	HOLD	HOLD	26	ZOOM:TELE	ZOOM:TELE
12	RUN	RUN	27	FOCUS:FAR	FOCUS:FAR
13	PREV	PREV	28	FOCUS:NEAR	FOCUS:NEAR
14	NEXT	NEXT	29	IRIS:OPEN	IRIS:OPEN
15	ON	ON	30	IRIS:CLOSE	IRIS:CLOSE

Attached figures

Fig 1: the connection drawing for the EVI series of cameras
(Take D70 for example)

1 RS-232 connection



No	Pins	Signals
1	DIR	Data Transmission Ready(OUTPUT)
2	DSR	Data Set Ready(INPUT)
3	TXD	Travsmit Data(OUTPUT)
4	GND	Ground
5	RXD	Receive Data(INPUT)
6	GND	Ground
7	IR OUT	IR Commander Signal(OUTPUT)
8	N.C.	No Connection

2 RS-422 connection

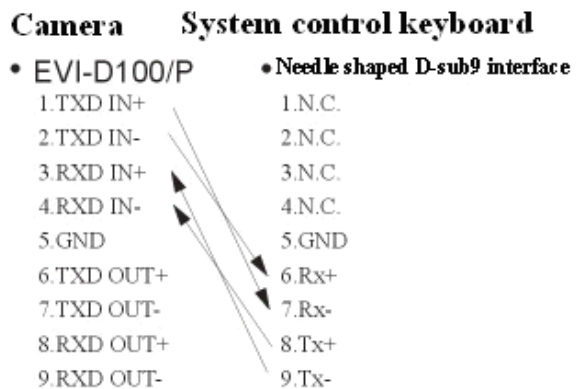
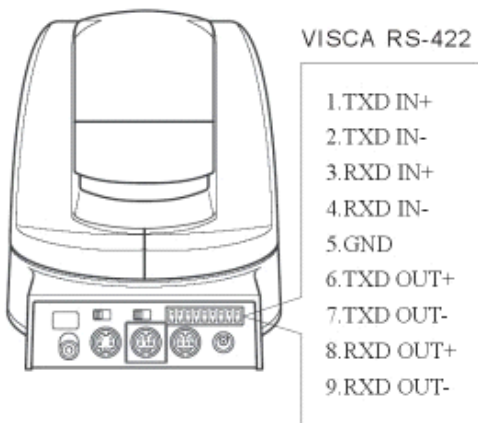


图2 VISCA机型典型应用示意图

Fig 2: The typical application sketch map for the VISCA mode

