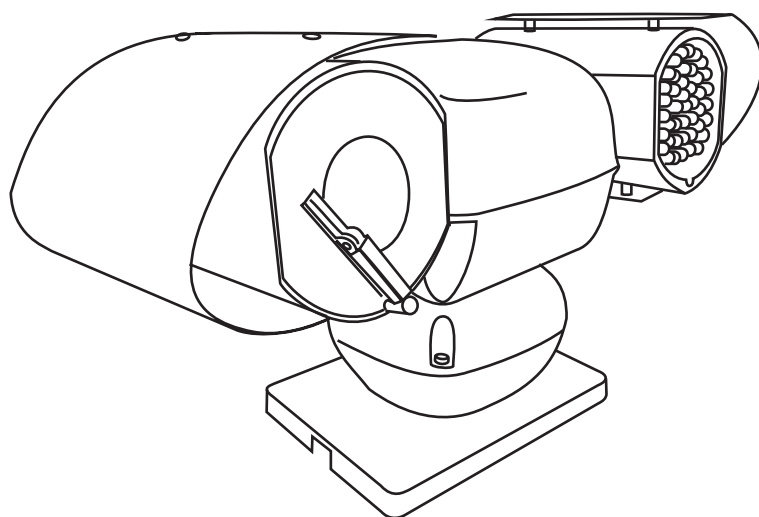




SEIMW36T-V53DN



36x Wide Dynamic ICR IR PTZ Camera

OPERATION MANUAL

WARNING

English

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECTS THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

CAUTION

RISK OF ELECTRIC SHOCK.

DO NOT OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

FCC COMPLIANCE STATEMENT

FCC INFORMATION: THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS A DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

CAUTION: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

CE COMPLIANCE STATEMENT

WARNING: THIS IS A CLASS A PRODUCT. IN A DOMESTIC ENVIRONMENT THIS PRODUCT MAY CAUSE RADIO INTERFERENCE IN WHICH CASE THE USER MAY BE REQUIRED TO TAKE ADEQUATE MEASURES.

CAUTION: BEFORE ATTEMPTING TO CONNECT OR OPERATE THIS PRODUCT, PLEASE READ THE LABEL ON THE BOTTOM AND USER'S MANUAL CAREFULLY

PRECAUTION

- All installation works should be done by qualified service person or system installer.
- Do not try to open or disassemble the PTZ. To prevent electric shock, do not remove the screws or cover. There are no user-serviceable parts inside. In case of maintenance, contact qualified service personnel.
- Handle the PTZ carefully. Do not hit, strike or shake the PTZ. This will cause damage the mechanic parts and avoids the warranty. During the transport or storage, the PTZ should be packed in original packing, which will protect from pressure, vibration and humidity.
- Do not use strong or excessive liquid to clean the PTZ and cover. Use dry cloth or mild cleaning lotion, and wipe gently.
- Do not operate the PTZ among the specified condition. Please refer to the section "Specification" for detailed information.
- Do not expose the indoor PTZ to water or moisture. The indoor version of PTZ is not designed to resist high humidity and water, these may cause permanent damage and avoids the warranty. For indoor application with extreme wet condition or area contains water or high-humidity, use the outdoor model instead. When the indoor PTZ get wet, turn off the power immediately and send to qualified service personnel.
- Do not point the camera to strong light source (e.g. Sun-Light, Beamer or laser pointer). This will cause permanent damage to the sensor and avoids the warranty.
- Read this user's manual carefully before operating, and make sure that the operation and installation follow your local electric safety standards or regulation.
- Do not install the PTZ in orientation other than designed. The PTZ is designed for operation looking-down. Other orientation of installation will prevent the heat-sink function and cause damage.
- Do not touch the PTZ clear cover with bare hands or any object. These will leave permanent scratches on the surface and decrease the image quality. Scratches are not covered by the warranty.
- Do not install and operate this PTZ in a flammable and explosive environment.
- Make sure that the installation is done according to the local electricity safety regulation of your country.
- Before installation or maintenance, make sure that the PTZ is disconnected from the power source.
- Do not use any power source other than specified in the specification, in order to prevent damages. In case of doubt, see section "Specification" for details.
- Handle the device during the installation carefully. Falls or extreme vibration will cause irreparable damages and avoid the warranty.
- Do not install or operate the PTZ near any high-voltage devices or high-voltage cable. The safety distance should remain at least 50 m.
- To archive best image quality, it is recommended to use underground cable shielded with steel tube. Do not install the cable without any protection.
- In area or region which has high inductive power, such as high voltage transformer stations, or high electrostatic discharges, such as thunder, it is necessary to use additional lightning-proof equipments or lightning rod for protection.
- For outdoor installation, lightning-proof and grounding of the device should be considered. Please refer to the industrial safety regulation and request of your country.
- Grounding of the PTZ should consider with anti-interference and fulfill the safety requirements. Do not connect the ground with short-circuited or other high-voltage electric network.
- The resistance of down conductor should not exceed 4 Ohm, and its thickness should be at least 25mm²
- This PTZ is protected against high-voltage pulse up to 1500V
- The outdoor model meets the Ip66 standard for water and dust proof. Do not install the in-door model for out-door application. Make sure that the installation is protected from long-time water-drop or spatter, which may damage the appliance.
- Make sure that the environment of installation meets the requirement of the appliance, such as holding the weight, enough spaces for bracket and power supply.

**Technical specification are subjects to change without prior notice. Manual may contain mistake or print error.
All trademarks mentioned belong to their respective owners.**

Installation

Unpacking	1
I/O Interface	1
Basic Setup.....	1
Telemetric	1
ID / Protocol.....	1
RS-485 Termination.....	1
Mounting.....	1
Application Example	2
RS-485 Transmission	2
Video Transmission	2

OPERATION

Powering the PTZ	3
Work with PTZ.....	3
Camera functions.....	3

OSD

Enter the OSD	4
Main Menu	4
System Setting	4
Edit dome label	4
Initial Info.....	4
Display Setup	
Motion.....	5
Motion - Advanced	5
Setting.....	5
Clear.....	5
Password Setting.....	5
Clock Setting.....	5

Camera Setting

IR CUT Filter	6
Advance Setting	6

Function Setting

Presets	6
Scan	6
Pattern	7
Tour	7
Zones	7
Time Running	7

Window Blanking	8
Alarms	8
Language	8

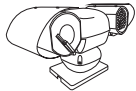
Appendix

OSD Map	9
Dip Switch settings	9
ID Settings	10

SPECIFICATIONS	11
-----------------------------	-----------

WARRANTY	11
-----------------------	-----------

Unpacking



SEIMW36T-V53DN



Manual



Keep the original box for possible transport in the future.

I/O Interface

Connectors



Red:AC24V
Black:AC24V
24V AC / 2A



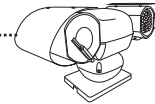
Inner Pin: Video +
Outer Conn.:Video -



Green: RS-485 +
Yellow: RS-485 -



ALARM



Accessories



Power



DVR



Keyboard Controller



Sensor Switch



Monitor

Basic Setup

Check-List before installation:

1. Telemetric Protocol setting
2. Dome ID setting
3. Termination setup
3. Necessary Accessories (e.g Power supply)

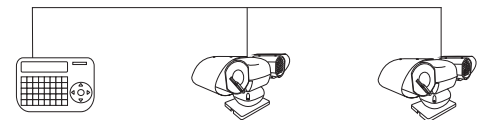
Telemetric

For telemetric control, make sure that:

1. All devices are set with same protocol and comm setting.
2. All PTZ devices have an unique ID.
3. Control cable (Rs485) are connected properly.

For controller setup, please refer to the operation manual

Example:

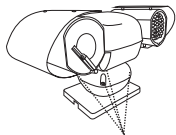


Protocol: B02
Baud-Rate: 9600

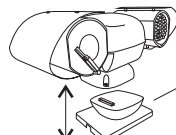
ID:1

ID:2

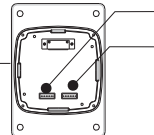
ID & protocol setup



Step 1
Loose the screws (4 pcs)
and open the base-part



Step 2
Take off the base
part for configuration



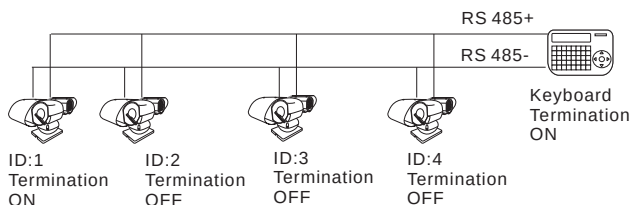
Step 3
Set the ID, Protocol
Baud-Rate and Termination

Switch 1:
ID Setup
Switch 2:
Digit 1 to 5: Protocol setup
Digit 6,7: Baud-Rate
Digit 8: RS485 Termination(default: off)
For setting details, please refer to

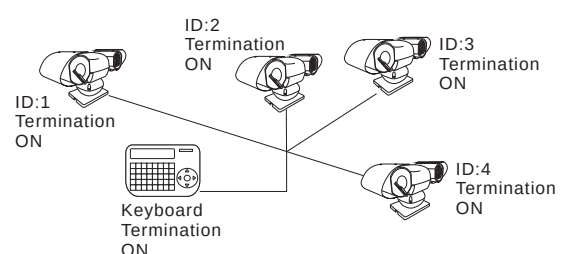
RS485 Termination

For a smooth telemetric operation, it is necessary to set the termination properly.

1. Chain Connection

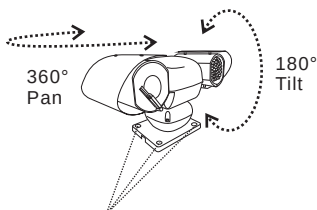


2. Star-Form Connection



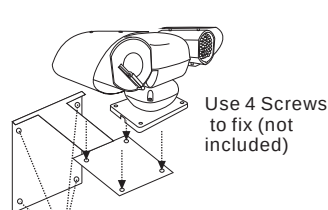
Mounting

Surface-Mount



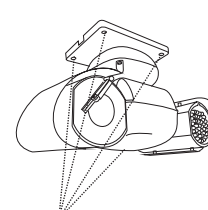
Use 4 Screws to fix
(not included)

Wall-Mount



Wall-Mount Bracket
(optional accessory)

Reverse-Mount



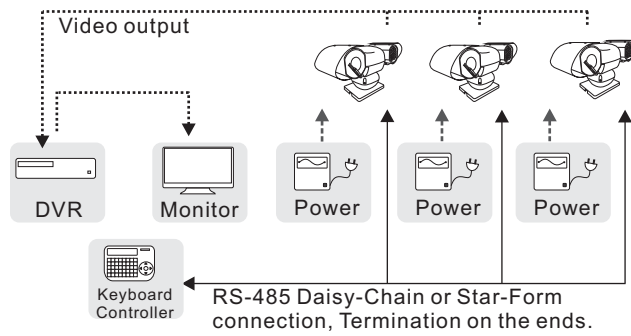
Use 4 Screws to fix
(not included). Change SETTING in OSD



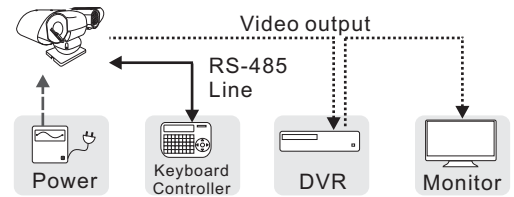
Make sure the installation environment provide enough space for pan and tilt movement, else it might damage the mechanic parts.

Application Example

Multiple PTZ



Simple PTZ



RS485 Transmission

The distance of RS485 transmission between 2 nodes depends on the baud-rate. The table on the right side shows the maximum range of every baud-rate, assuming a AWG24 wire-pair is used. Note the range might be shorter than given here, since the cable quality or interferences may affect the transmitted data, and cause invalid command.

In star-form connection, it might be necessary to use RS-485 Distributor, to ensure the signal quality of the transmission.

Baud Rate	Max. Distance
2400 bps	1700m
4800 bps	1100 m
9600 bps	700m
19200 bps	400m

Video Transmission

For video signal transmission, coaxial cable with 75 Ohm impedance is recommended. Depends on the cable type, the transmission distance might be different:

Cable standard	Max. Distance (m /ft)
RG 59 /U	229m / 750 ft
RG 6 /U	305m/ 1000 ft
RG 11 /U	457m / 1500 ft

The actually transmission distance can vary from the data shown on the table left. It is necessary to consider the environmental influences when planning the installation. If the transmission requires a larger distance, you may use video-balun or fiber-transmitter to extend the distance. Contact your local sales representative for further information.

Powering the PTZ



After connected to power source, the PTZ will perform the self-test with pan, tilt and zoom, and displays the initial screen with following information:

S/N: Serial number of the PTZ
 FIRMWARE: Current firmware version
 PROTOCOL: Protocol version
 DOME ADDRESS: the PTZ ID
 COMM: Baud-rate and serial settings

The initial screen will disappear once the PTZ camera receives a user command. If the function "Power up action" is defined with certain action, it will execute the action immediately.

Work with PTZ

In order to work with the PTZ function, you need a device for telemetric control, such as a controller keyboard, a PTZ software or DVR with PTZ control. Make sure that the protocol, baud-rate setting are done correctly as described in section "Installation", or refer to the operation manual of the controller device.

Beside the pan, tilt and zoom function, this camera provides also auxiliary function for surveillance, such as preset position, self-learning tours and pattern, which consist the more preset position. The setting of camera and auxiliary function can be accessed either directly from the keyboard, or through the On-Screen-Display (OSD) menu, a text-based navigation menu projected on the monitor screen.

PAN, TILT and ZOOM Functions

In order to work with the PTZ function, you need a device for telemetric control, such as a controller keyboard, a PTZ software or DVR with PTZ control. Make sure that your controller device supports these functions.



Zoom in



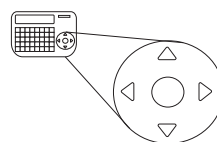
Zoom out



PAN



TILT



The PAN and TILT function are mostly performed from the Joystick on the keyboard. Please refer to the user's manual of controller device for operation instruction

IRIS and FOCUS

In regular operation, the focus and iris will be regulated automatically to achieve best image quality. If case of need, you can adjust Iris and focus setting by press the corresponding buttons on the controller device. The auto-focus will resume once a PTZ command is triggered.



IRIS Open



IRIS Close



FOCUS
Far

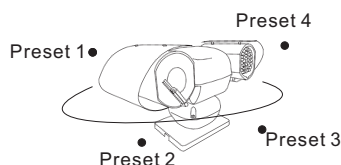


FOCUS
Near

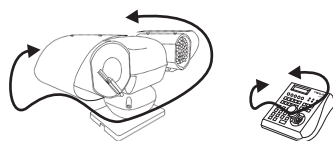
Auxiliary Function

The auxiliary function provides user automated action, such as memorizing position and recalling by a direct input on the controller device. Make sure that the keyboard controller you use support these function, and refer to the manual for operation.

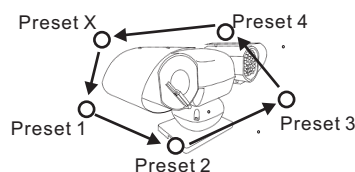
PRESET: A Pan-Tilt position which contains the zoom setting. Up to 128 presets can be stored in the camera



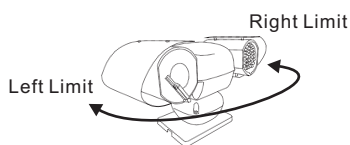
PATTERN TOUR: A recording of user's Pan, Tilt and zoom up to 180 seconds. Up to 4 pattern tours are supported



SEQUENCE(PRESET TOUR): An auto-touring through the defined, stored preset positions. Each tour can contain up to 24 preset points. Total 4 tours can be stored in the camera.



SCAN TOUR: A Pan-Tilt moving between 2 defined limits. Up to 4 scan tours are supported



Camera Functions

This PTZ camera provides also image enhancement functions, such as BLC, AGC, AE or the Day/Night Vision. Details will be introduced in the section "OSD".

Enter the OSD

The OSD menu can be activated by recall the preset position number 95

Press [SHOT] + [9] + [5] + [ENTER]
or Press 2x [SHOT] + [9] + [ENTER] within 3 seconds.

Navigation from keyboard: To navigate through the OSD menu items, following keys are defined for OSD operation. Make sure your controller device provide the keys:

[IRIS OPEN] Enters the sub-menu or confirm

[IRIS CLOSE] Cancel the current setting, or exit the selected menu item.

[UP], [DOWN] Move between menu lines(menu item), or adjust the selected value when entered.

[RIGHT] Enter a high-lighted menu item,

[LEFT] exit the menu item, equals to [IRIS CLOSE]

Symbols:

"→" : On the end of the line indicates a sub-menu.

◁ : Shows current cursor.

Main Menu

```

MAIN MENU
-----
SYSTEM SETTING →
CAMERA SETTING →
FUNCTION SETTING →
WINDOW BLANKING →
ALARMS →
LANGUAGE →
EXIT
  
```

SYSTEM SETTING: contains setting parameter for the system.

CAMERA SETTING: Camera / image related settings

FUNCTION SETTING: PTZ and auxiliary function settings

WINDOW BLANKING: Privacy masking function and settings

System Setting

```

SYSTEM SETTING
-----
EDIT DOME LABEL →
INITIAL INFO →
DISPLAY SETUP →
MOTION →
CLEAR →
PASSWORD SETTING →
CLOCK SETTING →
BACK →
EXIT
  
```

SYSTEM SETTING: contains setting parameter for the system.

CAMERA SETTING: Camera / image related settings

FUNCTION SETTING: PTZ and auxiliary function settings

WINDOW BLANKING: Privacy masking function and settings

System Setting

Edit dome label

```

EDIT DOME LABEL
LABEL: ▶ DOME1
BACK
EXIT
  
```

- Select DOME LABEL and enter with [RIGHT] or [IRIS OPEN]

- The input character starts to flash, use [UP] or [DOWN] to select the desired character and [RIGHT] for next input.

- Available characters appear in following order: "0" to "9", "A" to "Z", ".", ",", "<", ">", "-", "{SPACE}" (empty sign).

- Use [LEFT] to move to previous character when edit.

- In case you need to delete a character, use the "SPACE"-character (Empty sign).

- When finished, press [IRIS OPEN] to save, or use [RIGHT] to move to last character and next to exit the editing mode.

- To discard the setting, press [IRIS CLOSE] to exit.

- Select "BACK" to exit to "SYSTEM SETTING" menu.

System Setting

Initial Info

```

INITIAL INFO
-----
S/N XXXXXXXXXXXXXXXX
FIRMWARE v2.4
PROTOCOL: VIDO B02
DOME ADDRESS: 001
COMM, 4800, N8, 1
BACK
EXIT
  
```

Initial Info show the following Info:

- ▶ Product Seriennumber
- ▶ Firmware version
- ▶ Protocol Setting
- ▶ Dome ID
- ▶ Baudrate

System Setting

Display Setup

DISPLAY SETUP

DOME LABEL	OFF
PRESET LABEL	OFF
ZOOM LABEL	OFF
ZONE LABEL	OFF
DIRECTION LABEL	OFF
TEMPERATURE LABEL	OFF
TIME LABEL	OFF
DATE LABEL	OFF
BACK	

[DOME LABEL]: show label name
 [PRESET LABEL]: show preset label or scan label
 [ZOOM LABEL]: show zoom ratio
 [ZONE LABEL]: show zone Label
 [DIRECTION LABEL]: show the coordinate position
 [TEMPERATURE LABEL]: show the current dome temperature
 [TIME LABEL]: show the current time
 [DATE LABEL]: show the current date



System Setting

Motion

MOTION

AUTOFLIP	ON
PROPORTION PAN	ON
PARK TIME	005
PARK ACTION	SCAN
POWER UP ACTION	AUTO
FAN ENABLE	040
ADVANCE SETTING->	
BACK	
EXIT	

Auto flip: The dome swing the PAN to 180°, when the limit of 90°TILT reach

Proportional Pan: Inversely controlling

Park time: Set the IDLE timer in minutes, and activates the action defined in "PARK ACTION".

Park Action: Define the action when "Park time" activate. Selcetable: Preset 1-80, Scan 1-4, Pattern1-4, Tour 1-4

Power Up Action: Start "ParkAction" when power up.

FAN Enable: Define the temperature limit for the internal cooling fan.

System Setting

Motion

Advance Setting

ADVANCE SETTING

EIS ANABLED	N/A
PRESET FREEZE	N/A
IR HEADLIGHT	
MANUAL	
HEAD-DOWN	OFF
DEFOGGER	15
WIPER	
BACK	
EXIT	

EIS ANABLED: Electronic Image Stablizer. Depends on the camera model, it might not be available.

PRESET FREEZE: Freezes the preset image

IR HEADLIGHT: Performance of the IR-Headlight, selectable with Low, Medium, High or Manual.

HEAD-DOWN: When installing the PTZ reversed, turn on this option.

DEFOGGER: Defogger function in the camera bay.

WIPER: Starts the Wiper

System Setting

Clear

CLEAR

CLEAR ALL ZONES	
CLEAR ALL PRESET	
CLEAR ALL PATTERNS	
CLEAR ALL TOURS	
CLEAR ALL WINDOWS	
FACTORY DEFAULTS	
RESTART	
BACK	
EXIT	

The "CLEAR" function resets the settings to factory default.

CLEAR ALL ZONES: Delete all zones setting

CLEAR ALL PRESET: Delete all preset positions

CLEAR ALL PATTERNS: Delete all pattern setting

CLEAR ALL TOURS: Delete all tours setting

CLEAR ALL WINDOWS: Delete all privacy masking setting

FACTORY DEFAULT: Reset all setting and return to factory settings

RESTART: Restart the dome

Note: after using the option "Factory default", all system setting and stored information such as preset, tour or pattern will be erased permanently. Please make sure before proceeding.

System Setting

Password Setting

PASSWORD SETTING

OLD PASSWORD	*****
NEW PASSWORD	*****
CONF PASSWORD	*****
ENABLE PASSWORD OFF	
BACK	
EXIT	

The password function can prevent unauthorized access to the OSD and change the setting. It consists a 6 digit number from 0-9 and can be disable.

OLD PASSWORD: Enter the old password

NEW PASSWORD: Enter the new password with 6 digit number

CONF PASSWORD: Enter the new password again

ENABLE PASSWORD: Activate the login function to the OSD

Default password: 000000

Supervisor password: 892226

System Setting

Clock Setting

CLOCK SETTING

TIME:	HH:MM:SS
DATE:	YY/MM/DD
BACK	
EXIT	

The system is equipped with a RTC (Real-Time Clock) and can be used to display the date/ time information on the screen, or schedule enabled operation. In order to use these functions correctly, you need to setup at first.

TIME: Change the time setting

DATE: Change the date setting

Use [LEFT], [RIGHT] to move the cursor and use [UP], [DOWN] to adjust the value. When finished, press [IRIS OPEN] to save the setting.

Camera Setting

CAMERA SETTING	
ZOOM SPEED	HIGH
DIGITAL ZOOM	ON
BLC MODE	OFF
SLOW SHUTTER	OFF
LINE SYNC	N/A
WDR MODE	
IR CUT FILTER→	
ADVANCE SETTING→	
BACK	
EXIT	

Zoom Speed: Define the Zoom speed. Selectable: LOW/HIGH

Digital Zoom: Activate digital zoom, depend on Modul

BLC MODE: Back-Light Compensation mode. Use this option when the observed object has a strong back-light such as the sun light or other light source.

SLOW SHUTTER: The slow-shutter allows a higher sensitivity by exposing the image sensor with a longer period of time, incase the observed objects does not have much movement.

WDR MODE: Activate Wild Dymamic Range, depend on Modul

Camera Setting

IR Cut Filter

IR CUT FILTER	
IR CUT FILTER	COLOR
IR CUT ON TIME	N/A
IR CUT OFF TIME	N/A
BACK	
EXIT	

IR CUTTER: Enables the removal of Infrared Cutter Filter (IRC), also known as "DAY/NIGHT" mode.

- Color Mode: remains in the day mode
- Black: IRC remains in night mode.
- TIME: Controlled by the time schedule.

IR CUT ON TIME: When the IR Cutter should turn on, given in day time.

IR CUT OFF TIME: When the IR Cutter should turn off, given in day time.

Camera Setting

Advanced Setting

ADVANCE SETTING	
AE MODE	→ AUTO
SHUTTER	N/A
WB MODE	AUTO
R GAIN	N/A
B GAIN	N/A
HI RESOLUTION	ON
BACK	
EXIT	

ADVANCED SETTING: Enters the advenced setting module for the camera setting

AE MODE: Auto-Exposure mode. This camera supports various exposure methods for different environment:

- SHUTTER MODE:** In shutter mode, the camea changes the shutter speed to regulate light.
- IRIS MODE:** Regulate the Iris-openning to control the exposure
- BRIGHTNESS:** Regulates the exposure by changing the brightness control
- AUTO:** Automatically regulates the exposure modes.

WB MODE: The camea supports ATW, Indoor and Outdoor mode of White balance, which chooses the correct color of the image.

R-Gain: Regulates the red elements in the image color

B-Gain: Regulates the blue elements in the image color

High-Resolution: Turns the High-Resolution mode of the camera. only available on supported camera models.

Function Setting

FUNCTION SETTING	
PRESET →	
SCAN →	
PATTERNS →	
TOUR →	
ZONES →	
TIME RUNNING →	
BACK	
EXIT	

PRESET: Setup and manage the presents.

SCAN: Define and manage the scan tours.

PATTERNS: Pattern tours.

TOUR: Preset Tours

ZONES: Zone settings

TIME RUNNING: Scheduled actions

Function Setting

Presets

PRESET	
PRESET NUMBER	XX
SET PRESET	
SHOW PRESET	
CLEAR PRESET	
EDIT PRESET LABEL →	
BACK	

PRESET NUMBER: Selected preset position, supports up to 128 presets.

SET PRESET: Setup the preset position. Enter this menu, move the PTZ to desired positon and press [IRIS OPEN] to store, or [IRIS CLOSE] to discard.

SHOW PRESET: Recall the preset position

CLEAR PRESET: Delete the preset position

EDIT PRESET LABEL: Assign the preset label.

Function Setting

Scan

SCAN	
SCAN SPEED	50
SET LEFT LIMIT	
SET RIGHT LIMIT	
RUN SCAN	
CLEAR SCAN	
EDIT SCAN LABEL →	
BACK	
EXIT	

SCAN SPEED: Define the scan speed, lowest 1 - fastest 50

SET LEFT LIMIT: Define the left point of scan tour, press [IRIS OPEN] to store, or [IRIS CLOSE] to discard.

SET RIGHT LIMIT: Define the right point of scan tour, press [IRIS OPEN] to store, or [IRIS CLOSE] to discard.

RUN SCAN: Start the scan tour

CLEAR SCAN: Erase the stored scan tour

EDIT SCAN LABEL: Assign a name of the tour

Pattern

EDIT PATTERN LABEL: Assign the name of the pattern

Tour

CLEAR TOUR: Delete the selected tour

Tour

Edit Tour

TM: The dwell before the PTZ moves to next point. between 1-60 second

Zones

EDIT ZONE LABEL: Edit the name tag

Zones

Edit Zone Label

Enter the zone name here.

Time Running

RUNNING: Define the action to be started. Select None to deactivate the function.

CLEAR WINDOW: Dclear the selected masking window

Alarms

ALARMS

RESUME	OFF
SEQUENCE	002
RESET DELAY	020
ALARM CONTACT	N/C
ALARM SETTING	→
ARM SETTING	→
BACK	
EXIT	

RESUME: Continue the function on the camera , if it was setting before the alarms.

SEQUENCE:

RESET DELAY: How long the camera stay in Alarm position.

ALARM CONTACT: Setting between N/C (normal Close) or N/O (normal Open).

ENABLE WINDOW: Activate the masking window

ALARM SETTING: expanded Alarm setting

ARM SETTING: expanded Alarm setting

Alarms

Alarm Setting

ALARM SETTING

ALARM NUMBER	001
ALARM ACTION	
TOUR	
ACTIVATE AUX	
NONE	
ALARM PRIORITY	HIGH
BACK	
EXIT	

ALARM NUMBER: supports up to 7 alarm (7 input & 1output pre-wired)

ALARM ACTION: Setting for PRESET, SCAN, TOUR, PAT 1-4, or NONE, if the camere in alarm position.

ACTIVATE AUX: Setting Alarm Output, when Alarm is activate. Select between AUX1, AUX2 (not connected) or BOTH.

ALARM PRIORITY: Priority when multiple alarms are triggered.

BACK: Move to previous menu.

Alarms

Arm Setting

ARM SETTING

DAY	SUN
ARM STATE	OFF
ARM TIME	N/A
UNARM TIME	NA
BACK	
EXIT	

DAY: Arm setting for weekdays

ARM STATE: Arm or disarm the alarm for the selected weekday

ARM TIME: Scheduled alarm time

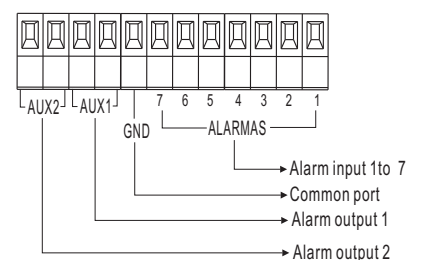
UNARM TIME: Disarm time.

Language

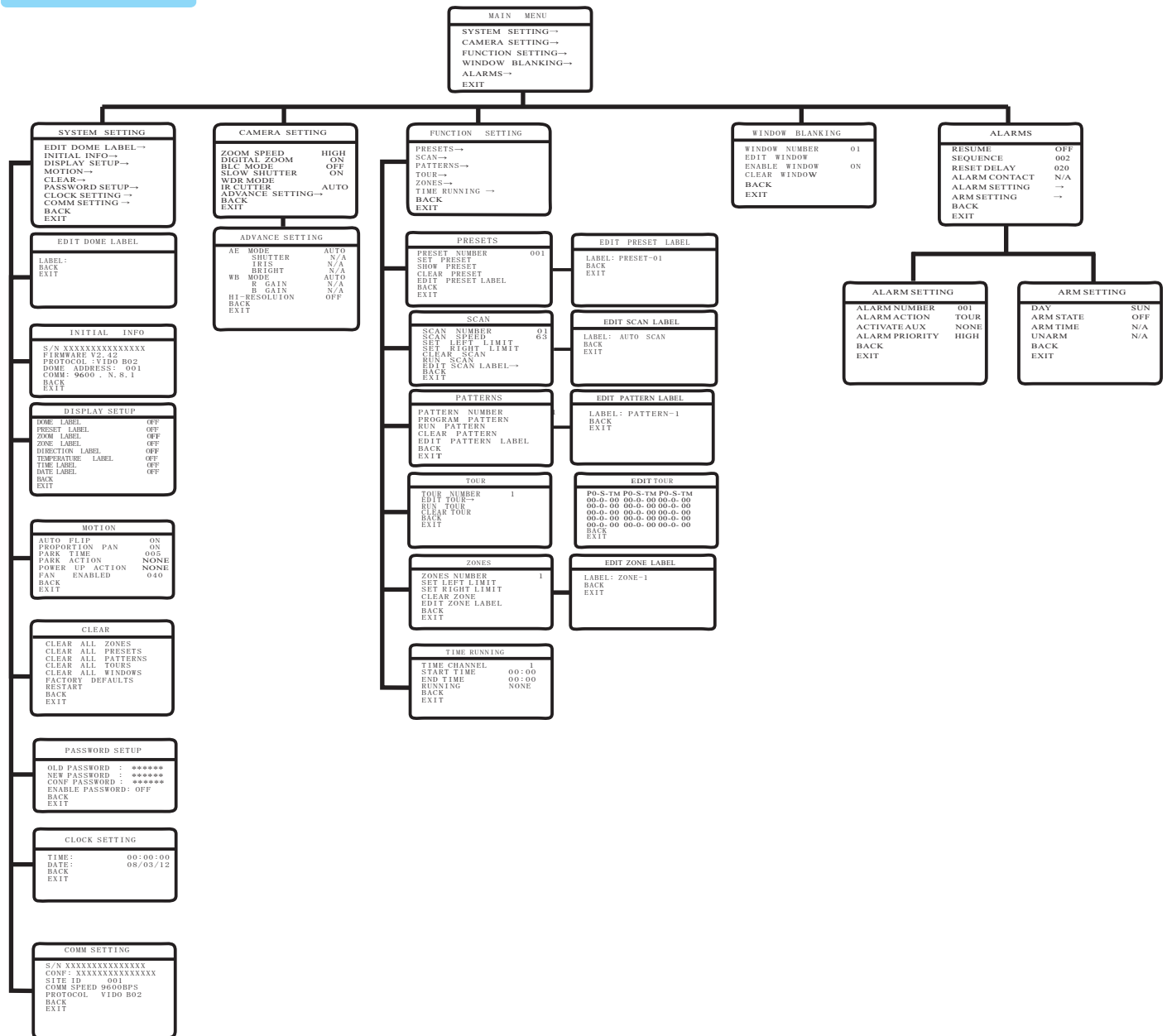
LANGUAGE

LANGUAGE	ENGLISH
BACK	
EXIT	

LANGUAGE: Selectable between available languages.

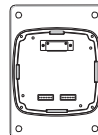
Alarm Connection
on Backboard

OSD MAP



DIP Switch Setting

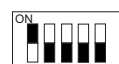
The Sw1 contains the setting for ID, please refer to next section for settings. Sw2 contains setting for Protocol, Baud-rate and Termination:



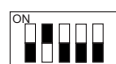
SW2 DIP 1 to 5 : Protocol



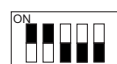
B02



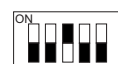
Pelco-P/D



ERNITEC



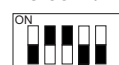
VLC



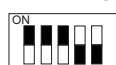
MOLYNX



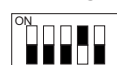
VICON



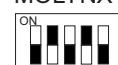
SANTACHI



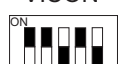
Panasonic



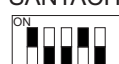
Samsung



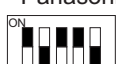
Kalatel



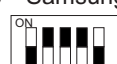
LILIN



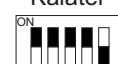
DIAMOND



HUNDA



ISD



DYNACOLOR



KTD410

SW2 DIP 6 to 7 : Baud-Rate



2400



4800



9600



19200

SW2 DIP 8 : Rs485 Termination



ON



OFF

Note: VIDO B02 Protocol is fully compatible with VIDO B01. For previous version of Vido products please set to B02

ID	Switchnumber (Sw1)		ID	Switchnumber (Sw1)		ID	Switchnumber (Sw1)		ID	Switchnumber (Sw1)
	Bit 1 2 3 4 5 6 7 8			Bit 1 2 3 4 5 6 7 8			Bit 1 2 3 4 5 6 7 8			Bit 1 2 3 4 5 6 7 8
	0 0 0 0 0 0 0 0		34	0 1 0 0 0 1 0 0		136	0 0 0 1 0 0 0 1		170	0 1 0 1 0 1 0 1
1	1 0 0 0 0 0 0 0		35	1 1 0 0 0 1 0 0		137	1 0 0 1 0 0 0 1		171	1 1 0 1 0 1 0 1
2	0 1 0 0 0 0 0 0		36	0 0 1 0 0 1 0 0		138	0 1 0 1 0 0 0 1		172	0 0 1 1 0 1 0 1
3	1 1 0 0 0 0 0 0		37	1 0 1 0 0 1 0 0		139	1 1 0 1 0 0 0 1		173	1 0 1 1 0 1 0 1
4	0 0 1 0 0 0 0 0		38	0 1 1 0 0 1 0 0		140	0 0 1 1 0 0 0 1		174	0 1 1 1 0 1 0 1
5	1 0 1 0 0 0 0 0		39	1 1 1 0 0 1 0 0		141	1 0 1 1 0 0 0 1		175	1 1 1 1 0 1 0 1
6	0 1 1 0 0 0 0 0		40	0 0 0 1 0 1 0 0		142	0 1 1 1 0 0 0 1		176	0 0 0 0 1 1 0 1
7	1 1 1 0 0 0 0 0		41	1 0 0 1 0 1 0 0		143	1 1 1 1 0 0 0 1		177	1 0 0 0 1 1 0 1
8	0 0 0 1 0 0 0 0		42	0 1 0 1 0 1 0 0		144	0 0 0 0 1 0 0 1		178	0 1 0 0 1 1 0 1
9	1 0 0 1 0 0 0 0		43	1 1 0 1 0 1 0 0		145	1 0 0 0 1 0 0 1		179	1 1 0 0 1 1 0 1
10	0 1 0 1 0 0 0 0		44	0 0 1 1 0 1 0 0		146	0 1 0 0 1 0 0 1		180	0 0 1 0 1 1 0 1
11	1 1 0 1 0 0 0 0		45	1 0 1 1 0 1 0 0		147	1 1 0 0 1 0 0 1		181	1 0 1 0 1 1 0 1
12	0 0 1 1 0 0 0 0		46	0 1 1 1 0 1 0 0		148	0 0 1 0 1 0 0 1		182	0 1 1 0 1 1 0 1
13	1 0 1 1 0 0 0 0		47	1 1 1 1 0 1 0 0		149	1 0 1 0 1 0 0 1		183	1 1 1 0 1 1 0 1
14	0 1 1 1 0 0 0 0		48	0 0 0 0 1 1 0 0		150	0 1 1 0 1 0 0 1		184	0 0 0 1 1 1 0 1
15	1 1 1 1 0 0 0 0		49	1 0 0 0 1 1 0 0		151	1 1 1 0 1 0 0 1		185	1 0 0 1 1 1 0 1
16	0 0 0 0 1 0 0 0		50	0 1 0 0 1 1 0 0		152	0 0 0 1 1 0 0 1		186	0 1 0 1 1 1 0 1
17	1 0 0 0 1 0 0 0		51	1 1 0 0 1 1 0 0		153	1 0 0 1 1 0 0 1		187	1 1 0 1 1 1 0 1
18	0 1 0 0 1 0 0 0		52	0 0 1 0 1 1 0 0		154	0 1 0 1 1 0 0 1		188	0 0 1 1 1 1 0 1
19	1 1 0 0 1 0 0 0		53	1 0 1 0 1 1 0 0		155	1 1 0 1 1 0 0 1		189	1 0 1 1 1 1 0 1
20	0 0 1 0 1 0 0 0		54	0 1 1 0 1 1 0 0		156	0 0 1 1 1 0 0 1		190	0 1 1 1 1 1 0 1
21	1 0 1 0 1 0 0 0		55	1 1 1 0 1 1 0 0		157	1 0 1 1 1 0 0 1		191	1 1 1 1 1 1 0 1
22	0 1 1 0 1 0 0 0		56	0 0 0 1 1 1 0 0		158	0 1 1 1 1 0 0 1		192	0 0 0 0 0 0 1 1
23	1 1 1 0 1 0 0 0		57	1 0 0 1 1 1 0 0		159	1 1 1 1 1 0 0 1		193	1 0 0 0 0 0 1 1
24	0 0 0 1 1 0 0 0		58	0 1 0 1 1 1 0 0		160	0 0 0 0 0 1 0 1		194	0 1 0 0 0 0 1 1
25	1 0 0 1 1 0 0 0		59	1 1 0 1 1 1 0 0		161	1 0 0 0 0 1 0 1		195	1 1 0 0 0 0 1 1
26	0 1 0 1 1 0 0 0		60	0 0 1 1 1 1 0 0		162	0 1 0 0 0 1 0 1		196	0 0 1 0 0 0 1 1
27	1 1 0 1 1 0 0 0		61	1 0 1 1 1 1 0 0		163	1 1 0 0 0 1 0 1		197	1 0 1 0 0 0 1 1
28	0 0 1 1 1 0 0 0		62	0 1 1 1 1 1 0 0		164	0 0 1 0 0 1 0 1		198	0 1 1 0 0 0 1 1
29	1 0 1 1 1 0 0 0		63	1 1 1 1 1 1 0 0		165	1 0 1 0 0 1 0 1		199	1 1 1 0 0 0 1 1
30	0 1 1 1 1 0 0 0		64	0 0 0 0 0 0 1 0		166	0 1 1 0 0 1 0 1		200	0 0 0 1 0 0 1 1
31	1 1 1 1 1 0 0 0		65	1 0 0 0 0 0 1 0		167	1 1 1 0 0 1 0 1		201	1 0 0 1 0 0 1 1
32	0 0 0 0 0 1 0 0		66	0 1 0 0 0 0 1 0		168	0 0 0 1 0 1 0 1		202	0 1 0 1 0 0 1 1
33	1 0 0 0 0 1 0 0		67	1 1 0 0 0 0 1 0		169	1 0 0 1 0 1 0 1		203	1 1 0 1 0 0 1 1

ID	Switchnumber (Sw1)		ID	Switchnumber (Sw1)		ID	Switchnumber (Sw1)		ID	Switchnumber (Sw1)
	Bit 1 2 3 4 5 6 7 8			Bit 1 2 3 4 5 6 7 8			(Bit) 1 2 3 4 5 6 7 8			(Bit) 1 2 3 4 5 6 7 8
68	0 0 1 0 0 0 1 0		102	0 1 1 0 0 1 1 0		204	0 0 1 1 0 0 1 1		238	0 1 1 1 0 1 1 1
69	1 0 1 0 0 0 1 0		103	1 1 1 0 0 1 1 0		205	1 0 1 1 0 0 1 1		239	1 1 1 1 0 1 1 1
70	0 1 1 0 0 0 1 0		104	0 0 0 1 0 1 1 0		206	0 1 1 1 0 0 1 1		240	0 0 0 0 1 1 1 1
71	1 1 1 0 0 0 1 0		105	1 0 0 1 0 1 1 0		207	1 1 1 1 0 0 1 1		241	1 0 0 0 1 1 1 1
72	0 0 0 1 0 0 1 0		106	0 1 0 1 0 1 1 0		208	0 0 0 0 1 0 1 1		242	0 1 0 0 1 1 1 1
73	1 0 0 1 0 0 1 0		107	1 1 0 1 0 1 1 0		209	1 0 0 0 1 0 1 1		243	1 1 0 0 1 1 1 1
74	0 1 0 1 0 0 1 0		108	0 0 1 1 0 1 1 0		210	0 1 0 0 1 0 1 1		244	0 0 1 0 1 1 1 1
75	1 1 0 1 0 0 1 0		109	1 0 1 1 0 1 1 0		211	1 1 0 0 1 0 1 1		245	1 0 1 0 1 1 1 1
76	0 0 1 1 0 0 1 0		110	0 1 1 1 0 1 1 0		212	0 0 1 0 1 0 1 1		246	0 1 1 0 1 1 1 1
77	1 0 1 1 0 0 1 0		111	1 1 1 1 0 1 1 0		213	1 0 1 0 1 0 1 1		247	1 1 1 0 1 1 1 1
78	0 1 1 1 0 0 1 0		112	0 0 0 0 1 1 1 0		214	0 1 1 0 1 0 1 1		248	0 0 0 1 1 1 1 1
79	1 1 1 1 0 0 1 0		113	1 0 0 0 1 1 1 0		215	1 1 1 0 1 0 1 1		249	1 0 0 1 1 1 1 1
80	0 0 0 0 1 0 1 0		114	0 1 0 0 1 1 1 0		216	0 0 0 1 1 0 1 1		250	0 1 0 1 1 1 1 1
81	1 0 0 0 1 0 1 0		115	1 1 0 0 1 1 1 0		217	1 0 0 1 1 0 1 1		251	1 1 0 1 1 1 1 1
82	0 1 0 0 1 0 1 0		116	0 0 1 0 1 1 1 0		218	0 1 0 1 1 0 1 1		252	0 0 1 1 1 1 1 1
83	1 1 0 0 1 0 1 0		117	1 0 1 0 1 1 1 0		219	1 1 0 1 1 0 1 1		253	1 0 1 1 1 1 1 1
84	0 0 1 0 1 0 1 0		118	0 1 1 0 1 1 1 0		220	0 0 1 1 1 0 1 1		254	0 1 1 1 1 1 1 1
85	1 0 1 0 1 0 1 0		119	1 1 1 0 1 1 1 0		221	1 0 1 1 1 0 1 1		255	1 1 1 1 1 1 1 1
86	0 1 1 0 1 0 1 0		120	0 0 0 1 1 1 1 0		222	0 1 1 1 1 0 1 1			
87	1 1 1 0 1 0 1 0		121	1 0 0 1 1 1 1 0		223	1 1 1 1 1 0 1 1			
88	0 0 0 1 1 0 1 0		122	0 1 0 1 1 1 1 0		224	0 0 0 0 0 1 1 1			
89	1 0 0 1 1 0 1 0		123	1 1 0 1 1 1 1 0		225	1 0 0 0 0 1 1 1			
90	0 1 0 1 1 0 1 0		124	0 0 1 1 1 1 1 0		226	0 1 0 0 0 1 1 1			
91	1 1 0 1 1 0 1 0		125	1 0 1 1 1 1 1 0		227	1 1 0 0 0 1 1 1			
92	0 0 1 1 1 0 1 0		126	0 1 1 1 1 1 1 0		228	0 0 1 0 0 1 1 1			
93	1 0 1 1 1 0 1 0		127	1 1 1 1 1 1 1 0		229	1 0 1 0 0 1 1 1			
94	0 1 1 1 1 0 1 0		128	0 0 0 0 0 0 0 1		230	0 1 1 0 0 1 1 1			
95	1 1 1 1 1 0 1 0		129	1 0 0 0 0 0 0 1		231	1 1 1 0 0 1 1 1			
96	0 0 0 0 0 1 1 0		130	0 1 0 0 0 0 0 1		232	0 0 0 1 0 1 1 1			
97	1 0 0 0 0 1 1 0		131	1 1 0 0 0 0 0 1		233	1 0 0 1 0 1 1 1			
98	0 1 0 0 0 1 1 0		132	0 0 1 0 0 0 0 1		234	0 1 0 1 0 1 1 1			
99	1 1 0 0 0 1 1 0		133	1 0 1 0 0 0 0 1		235	1 1 0 1 0 1 1 1			
100	0 0 1 0 0 1 1 0		134	0 1 1 0 0 0 0 1		236	0 0 1 1 0 1 1 1			
101	1 0 1 0 0 1 1 0		135	1 1 1 0 0 0 0 1		237	1 0 1 1 0 1 1 1			

PIC	P-021	
Model Number	SEIMW36T-V53DN	SEMIW36T-V53DNP
TV System	NTSC	PAL
Image Sensor	1/4" Sony Exview HAD CCD	
Resolution	530 TV Lines / 440,000 Pixels	
Video Output	Compound Signal 1.0V p-p, 75 Ohms	
Sync System	Internal / External (V-Lock)	
White Balance	Automatic / Manual	
Minimum Illumination	Auto, Manual, Bright, Back Light Compensation	
S/N Ratio	More than 50dB	
Electronic Shutter	1/1 ~ 1/10,000s, 22 steps	
Minimum Illumination	0 Lux @ IR "on"	
Focal / Iris	3.4mm~122.4mm Lens	
Zoom	36x Optical Zoom / 12x Digital Zoom	
Iris & Zoom	Automatic / Manual	
IR LED	36 High Brightness IR LED	
Wavelength	850nm	
IR Distance	260ft / 80m	
Pan Speed	0° ~ 80° per sec.	
Tilt Speed	0° ~ 60° per sec.	
Preset Positions	128 Presets	
Patrol Function	6 Patrol Patterns (Max.)	
Scanning Speed	0.5° ~ 30° per sec.	
Self Study Pattern	40 sec.	
Four Channel Alarm Inputs	Normal Open, Closing for Alarm	
One Channel Alarm Output	Normal Open, Normal Close for Output	
IP Rating	IP66	
Power Consumption	30 VA	
Power Supply	24V AC	
Operation Temperature	-31°F ~ 122°F / -35°C ~ 50°C	
Humidity	10% ~ 90%	
Weight	22 lbs / 10,000g	

*Specifications and appearance are subject to change without notice

WARRANTY

OKINA USA products are covered under warranty for one year from the date of purchase. The warranty will automatically be voided if any of the following occurs:

1. Camera sticker is removed

If the camera sticker is removed, we will not be able to confirm any information regarding when and where the product was purchased. We have no other way to verify the purchase record without the serial number on the camera sticker; therefore, it should not be removed.

2. Camera is modified in any way

If the camera is scratched, damaged, or modified in a manner not described in this manual, the warranty will be voided immediately. It is the customer's responsibility to keep the camera in good condition.