

# SpeedDome® Ultra VII Day/Night Camera Dome Configuration Utility

## Quick Reference Guide

### If you need assistance...

Contact your Sales Representative.

## What is the Dome Configuration Utility?

The **Dome Configuration Utility** is used to set features for your camera dome via a text overlay menu. This menu is accessed via a keystroke combination on your camera controller. The utility provides settings relating to camera functions, alarms, text display, privacy zones, direction indicators, and password protection. Some items supplement similar features that may be available through your controller or switching system.

### To start the utility:

1. Select a dome that you need to configure. Refer to your controller operating instructions for specific information.
2. Do one of the following:
  - If the dome is installed in a **SensorNet** or **RS-422** network, press and hold **Iris Open**, press and hold a **Focus** button, and then press **Zoom Out (Zoom Wide)**.
  - If the dome is installed in a Manchester network, turn the key switch to **Prog** (or disable the system lock on the Touch Tracker), enter **66**, then press **Set Preset (Set Shot)**.
3. The **Dome Configuration Menu** appears.

1

DOME CONFIGURATION MENU	
PAN/TILT/ZOOM/SYNC OPTS	
CAMERA FUNCTIONS	
ALARMS/AREAS/PRESETS/PZ	
ON-SCREEN TEXT DISPLAY	
LANGUAGE / PASSWORD	
DOME INFORMATION	
RESET TO FACTORY SETTINGS	
QUIT WITHOUT SAVING	
EXIT AND SAVE CHANGES	

**Note:** If Password Protection is enabled, **Enter Password** (Screen 26) appears first.

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Choose an option on this screen to change settings. Table 1 describes the available commands.

**IMPORTANT:** Commands may differ depending on your operating environment. These commands apply to SensorNet, RS-422, and Manchester.

Table 1: SensorNet, RS-422, and Manchester Commands.

If you want to...	Use...
Move the <b>Highlight Bar</b> .	<b>Pan/Tilt</b>
<b>Select</b> the highlighted item.	<b>Focus</b>
<b>Increase</b> value of selected setting, or display <b>next choice</b> . Move cursor to <b>right</b> during naming.	<b>Zoom In (Zoom Tele)</b>
<b>Decrease</b> value of selected setting, or display <b>previous choice</b> . Move cursor to <b>left</b> during naming.	<b>Zoom Out (Zoom Wide)</b>
<b>Save changes</b> and <b>exit</b> from any screen.	<b>Iris Close, then Focus</b>

## Pan, Tilt, Zoom and Synchronization Options

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PAN/TILT/ZOOM/SYNC OPTS	
PROPORTIONAL FLIP	OFF / ON
1ST ZOOM STOP X	35 / 23
MAX TOTAL ZOOM X	46 . . . 230
LINE LOCK	ON / OFF
FREEZE FRAME	OFF / ON
I/F RETURN TO AUTO	OFF / ON / IRIS / FOCUS
RESET TO FACTORY SETTINGS EXIT	

- The default 1st Zoom Stop setting is 35X.
- The default Max Total Zoom setting is 92X.
- Maximum total zoom settings are: **46, 69, 92, 115, 138, 161, 184, 207, and 230X**.
- The default **Line Lock** setting is **ON**.
- The default **Freeze Frame** setting is **OFF**.
- The default **I/F Return to Auto** setting is **ON**.

## Camera Functions

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CAMERA FUNCTIONS		
Auto White Bal	OFF/ON	
W Bal Adj: Red	0-511	Blue 0-511
IR Mode	OFF/ON/Auto	High/Auto Mid/Auto Low
WDR	OFF/ON	
AGC/Shutter	Max Gain	Limit
Open Shutter(NTSC)	0-28 dB	1/2-1/60 s
Open Shutter(PAL)	0-28 dB	2/3-1/50 s
RESET TO FACTORY SETTINGS		
EXIT		

Some settings appear only when the associated setting is active. Use the following information to identify which settings apply.

### Auto White Balance and Red/Blue Values

The **Auto White Bal** setting determines if the Red and Blue values can be changed.

Auto White Bal	Red	Blue
ON	N/A	N/A
OFF	Yes	Yes

### IR Mode and AGC/Shutter Settings

The **IR Mode** setting determines which AGC and Open Shutter settings are available. See the Operator's Manual for a description of the IR Mode settings.

IR Mode	Open Shutter	AGC Off	AGC On
ON	Yes	Yes	Yes
OFF	Yes	Yes	Yes
Auto High	N/A	Yes	Yes
Auto Mid	Yes	N/A	N/A
Auto Low	Yes	N/A	N/A

### AGC/Shutter Settings

The AGC/Shutter setting determines if the Max Gain and Limit settings apply.

AGC/Shutter	Max Gain	Limit
Open Shutter	Yes	Yes
AGC ON	Yes	N/A
AGC OFF	N/A	N/A

## Alarms, Areas, Home, Presets and Privacy Zones

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ALARMS/AREAS/HOME/PRESETS/PZ
SET ALARM ACTIONS
SET ALARM STATES
SET HOME POSITION
SET NORTH POSITION
AREA BOUNDARIES
PRIVACY ZONES
PRESETS
SCAN LIMITS
EXIT

This screen provides links to lower level screens. See the following screens:

- **Set Alarm Actions** (Screen 8)
- **Set Alarm States** (Screen 9)
- **Set Home Position** (Screen 10)
- **Set North Position** (Screen 11)
- **Area Boundaries** (Screen 12)
- **Privacy Zones** (Screen 13)
- **Select Preset to Program** (Screen 17)
- **Scan Limits** (Screen 19)

## On-Screen Text Display

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ON-SCREEN TEXT DISPLAY	
STATUS DISPLAY	ON/OFF
DISABLE ALL NAMES?	YES/NO
DIAGNOSTIC DISPLAY	ON/OFF
DIRECTION INDICATOR	ON/OFF
NAME CONFIGURATION MENU	
TEXT ATTRIBUTE OPTIONS	
EXIT	

In addition to the settings available, this screen provides links to lower level screens. See also:

- **Name Configuration Menu** (Screen 20)
- **Text Attribute Options** (Screen 23)

## Language and Password

6

LANGUAGE / PASSWORD

LANGUAGE SELECTION  
SET PASSWORD  
PASSWORD PROTECTION OFF/ON

EXIT

In addition to enabling password protection, this screen provides links to lower level screens. See the following screens:

- **Language Selection** (Screen 24)
- **Set Password** (Screen 25)

## Dome Information

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DOME INFORMATION

NAME: SpeedDome Ultra VII  
Mnemonic: SDU 7  
Software Ver: 0701-4008-0100  
Device Type: 24770105  
SN: 01234567890123456789  
Manufacture Date: 11082002  
Dome Statistics

EXIT

- Select **Dome Statistics** to display dome usage information (Screen 27).

## Set Alarm Actions

8

SET ALARM ACTIONS  
INTERNAL ALARMS

INPUT NO.	ACTION
1	NO ACTION
2	PRESET 1-96
3	PATTERN 1-3
4	NO ACTION

SEND INPUTS TO HOST? YES / NO

EXIT

- **No Action** is the default setting for all inputs. **Preset 1-96** or **Pattern 1-3** may be assigned as the alarm action.

## Set Alarm States

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SET ALARM STATES

INPUT NO.	NORMAL STATE
1	OPEN / CLOSED
2	OPEN / CLOSED
3	OPEN / CLOSED
4	OPEN / CLOSED

EXIT

- **Open** is the default setting for all inputs.

## Set Home Position

10

SET HOME POSITION

HOME POSITION NO ACTION  
PRESET 1-96  
PATTERN 1-3

RETURN TIME MINS 1-60 (10)

EXIT

- **No Action** is the default setting for the home position. **Preset 1-96** or **Pattern 1-3** may be assigned to the home position.

## Set North Position

11

SET NORTH POSITION

PAN to new north position

ZOOM to mark north position  
FOCUS quits w/o changing

- The default **North Position** is 0-degrees Pan/Tilt.

## Area Boundaries

**12**

AREA BOUNDARIES

PAN to start of BOUND 1-16

PAN RIGHT ONLY

ZOOM to mark BOUNDARY  
FOCUS saves and exits

Up to **16** areas may be programmed. These areas are separate from areas that may be available through your switcher.

## Privacy Zones

**13**

PRIVACY ZONES

ADD PRIVACY ZONES  
DELETE SPECIFIC ZONE  
DELETE ALL ZONES

HIDE ALL ZONES? NO/YES

EXIT

In addition to hiding all programmed privacy zones, this screen provides links to lower level screens. See the following screens:

- **Add Privacy Zones** (Screen 14)
- **Delete Privacy Zone** (Screen 15)
- **Delete All Zones** (Screen 16)

## Add Privacy Zones

**14**

→←

NEW PRIVACY ZONE  
Navigate to corner 1(2, 3)

ZOOM to Mark Corner  
FOCUS to Abandon Zone

- Up to 8 Privacy Zones may be programmed.
- Three points must be selected to establish the Privacy Zone. The fourth point is automatically calculated.
- Use the Pan/Tilt control to position the arrows over the selection point. If arrows blink, this is not a valid selection area.
- Press **Zoom** to save the point.

## Delete Privacy Zone

**15**

→←

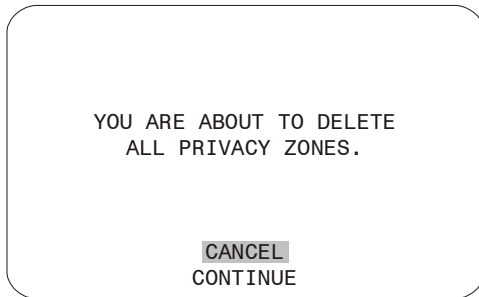
Navigate to zone

ZOOM to delete zone  
FOCUS quits w/o changing

- Arrows must be clearly positioned in zone to delete.
- Use the **Pan/Tilt** control to position the arrows over the zone. If arrows blink, this is not a valid selection area.
- Press **Zoom** to delete the selected zone.

## Delete All Zones

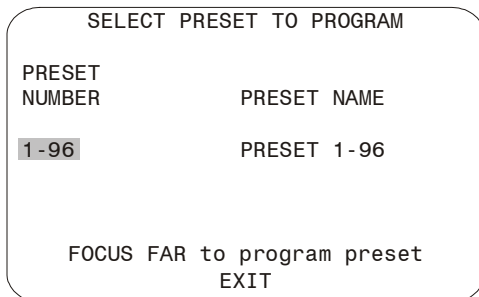
16



This option permanently removes all programmed Privacy Zones. To temporarily hide the zones, use *Hide All Zones*. See **Privacy Zones** (Screen 13).

## Select Preset to Program

17

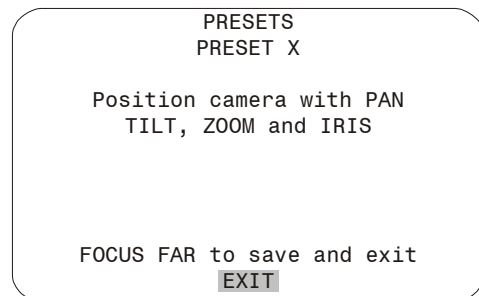


The number of presets available depends on your operating environment.

- If installed under *SensorNet* or *RS-422*, up to 96 presets are available.
- If installed under *Manchester*, up to 64 presets are available.

## Program Preset

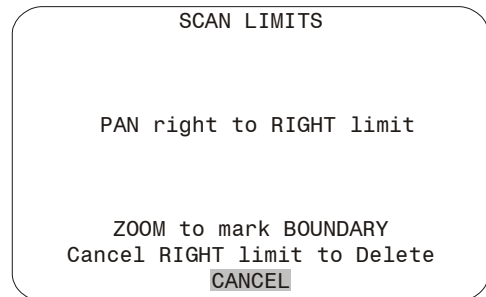
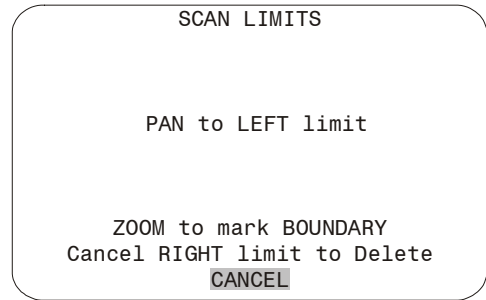
18



This screen also appears if a **Preset** is selected for the **Home Position** (Screen 10), and the selected preset has not been programmed.

## Scan Limits

19

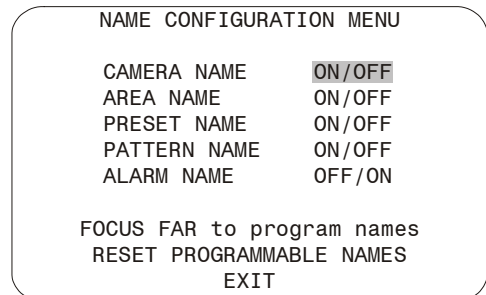


**Scan Limits** are used to set right and left areas of surveillance with compatible controllers. These scans may be activated using the **Quick Set Menu** (Screen 28).

- Use **Pan/Tilt** to adjust the dome's pointing direction.
- Press **Zoom** to select the left and right scan limits.
- Press **Focus** to cancel changes.
- Press **Focus** when setting right scan limit to delete the scan limits.

## Name Configuration Menu

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- Use **Zoom** to change the display setting.
- Press **Focus** to start name programming for highlighted setting.
- If Camera is selected, the **Name Programming** (Screen 22) automatically appears. For others, **Select Name to Program** (Screen 21) appears.

## Select Name to Program

**21**

SELECT NAME TO PROGRAM

PRESET/PATTERN/AREA/ALARM NUMBER	CURRENT NAME
1-96	Preset 1-96
1-3	Pattern 1-3
1-16	Area 1-16
1-4	Alarm 1-4

FOCUS FAR to program names  
EXIT

- Use **Zoom** to select the appropriate *Alarm*, *Area*, *Pattern*, or *Preset* number.
- Press **Focus** to start name programming.

## Name Programming

**22**

NAME PROGRAMMING

CAMERA/PRESET/PATTERN/AREA/ALARM  
NAME: CAMERA.....

A B C D E F G H I J K L M N O P Q R S T  
U V W X Y Z a b c d e f g h i j k l m n  
o p q r s t u v w x y z 0 1 2 3 4 5 6  
7 8 9 / -

UNDO CHANGES AND QUIT  
EXIT

- Names may contain up to 18 characters.
- Use **Pan/Tilt** to move the highlight around available characters. Press **Focus** to select highlighted character.
- **Zoom In** moves the highlight one space right in the name; **Zoom Out** moves the highlight left.

## Text Attribute Options

**23**

TEXT ATTRIBUTE OPTIONS

CHARACTER OUTLINE	ON/OFF
TRANSLUCENT NAMES	ON/OFF

EXIT

If *Privacy Zones* are displayed, **Translucent Names** is automatically disabled.

## Language Selection

**24**

LANGUAGE SELECTION

ENGLISH  
SPANISH  
FRENCH  
GERMAN  
ITALIAN  
PORTUGUESE

EXIT

- Dome must reset for language setting to change.
- Programmed names do not change after setting the language. Only default names change.

## Set Password

**25**

SET PASSWORD

PASSWORD: \*\*\*\*\*

A B C D E F G H I J K L M N O P Q R S T  
U V W X Y Z a b c d e f g h i j k l m n  
o p q r s t u v w x y z 0 1 2 3 4 5 6  
7 8 9 / -

CONTINUE  
CANCEL

- Passwords may contain up to 8 characters.
- See **Name Programming** (Screen 22) for operating instructions.

## Enter Password

**26**

ENTER PASSWORD

PASSWORD: \*\*\*\*\*

A B C D E F G H I J K L M N O P Q R S T  
U V W X Y Z a b c d e f g h i j k l m n  
o p q r s t u v w x y z 0 1 2 3 4 5 6  
7 8 9 / -

CONTINUE  
CANCEL

- This screen only appears when **Password Protection** is enabled. The password must be successfully entered before the *Dome Configuration Menu* will appear.
- See **Name Programming** (Screen 22) for operating instructions.

## Dome Statistics

27

```
DOMESTATISTICS
PanStat  TiltStat  ZoomStat
R 000000C9 00000085 00000011
L 0000006A 00000074 00000012
M 000001B5 00000089 00000048
T 00000013 00000017 0000000E

Pwr/Run      Pwr/Run
O 00007615   W 00000000
P 00000000   U 00000000
EXIT
```

This screen displays operating statistics for the dome. The information displayed represents the number of occurrences or time in seconds (displayed in hexadecimal format).

- R represents time moving **Right** in seconds.
- L represents time moving **Left** in seconds.
- M represents **Total Move Time** in seconds.
- T represents **Target Count**.
- O represents **Operating Time** in seconds.
- P represents **Power Failure Reset Count**.
- W represents **Watchdog Reset Count**.
- U represents **User Reset Count**.

## Quick Set Menu

28

```
0 TOGGLE QUICK SET MENU
1 DOME CONFIG MENU
2 AUTO IRIS/AUTO FOCUS
3 FLIP
4 PEEL PATTERN
10 NIGHT MODE
11 DAY MODE
12 AUTO DAY/NIGHT MODE
13 WDR ON
14 WDR OFF
FOCUS FAR = next page
```

```
15 SMOOTH SCAN
16 STEPPED SCAN
17 RANDOM SCAN
20 DOME INFORMATION
```

FOCUS NEAR = previous page

The **Quick Set Menu** provides easy access to dome features and menus with compatible controllers.

- Press the **Quick Set** button (varies by controller) to display the menu.
- Press **Focus Near** and **Focus Far** to scroll between the menu pages.
- Enter a number and press the **Quick Set** button to activate the setting or menu.
- Enter **0** and press the **Quick Set** button to close the menu.

Refer to your controller instructions to determine if it is compatible with the Quick Set Menu function.