

COVERT-
SYSTEMS.COM
928-759-2121

DTMF Control System
Operations Manual
CS-RS485-Interceptor

DTMF
RS-485
Pelco P or D



DTMF Control System Operations Manual

SurvDome

Operation's Manual

Controlled Using
Covert-Systems.com

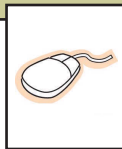
CS-RS485 Interceptor Module

With

Pelco D&P Extended Codes
Rapid SurvDome OSD Codes
& Rapid Presets Setup



Covert Systems.com, 12305 Triple T Lane, Prescott Valley, AZ 86314



INTERCEPTOR-2

Order: Model KS-IC-2

Features:

DTMF to RS485 Control System

Pan, Tilt, Zoom, Focus or Iris Control on any Pelco D or Pelco P device

Including all current extended codes
 With rapid OSD access codes for Covert Systems **SurvDome* including Battery BU Real Time Clock and ID Line Automated Codes
 Plus standard Baud rate selection



Dimensions: 4.3 x 2.9 x 1.0"
 Weight: 5 oz
 Input Voltage: 10 to 16 Vdc
 Input Current: 100 to 150 mA
 Temp Range: -20 to 65 Deg. C
 Input Control: Video Server/DTMF
 Output Control: RS485
 DTMF Functions: PTZ + Power Relay
 Codes: Pelco D & P

Video Server RS485 Interceptor Relay

Also provides normally active Video Server control until DTMF is activated

Any Standard telephone may be powered by the Interceptor which then provides telephone control

* Note: Several phones may be paralled

DTMF radio control, 3.5mm Mono Jack

Remote Power On/Off 20 Amp Relay

* Microwave Power

12 Volt DC Operation

DTMF
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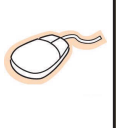
* *SurvDome*
KSC-260Z

Note:

User Defined RS485 Functionality Available



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SurvDome
KSC-260Z
KSC-300Z



SurvDome VIDEO

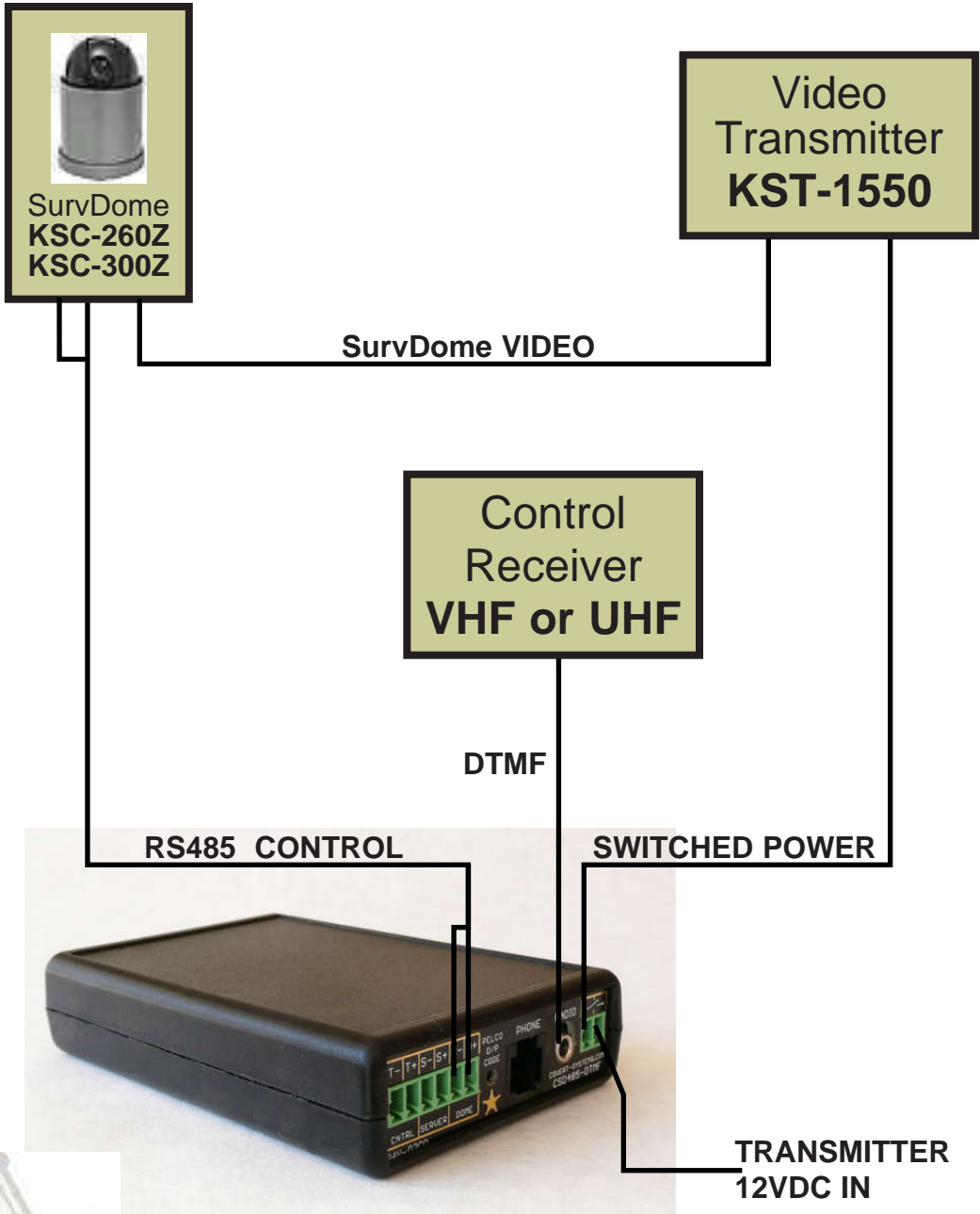
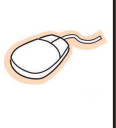


RS485 CONTROL



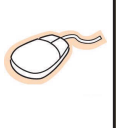
Note:
All equipment is 12VDC Powered
User Defined RS485 Functionality Available

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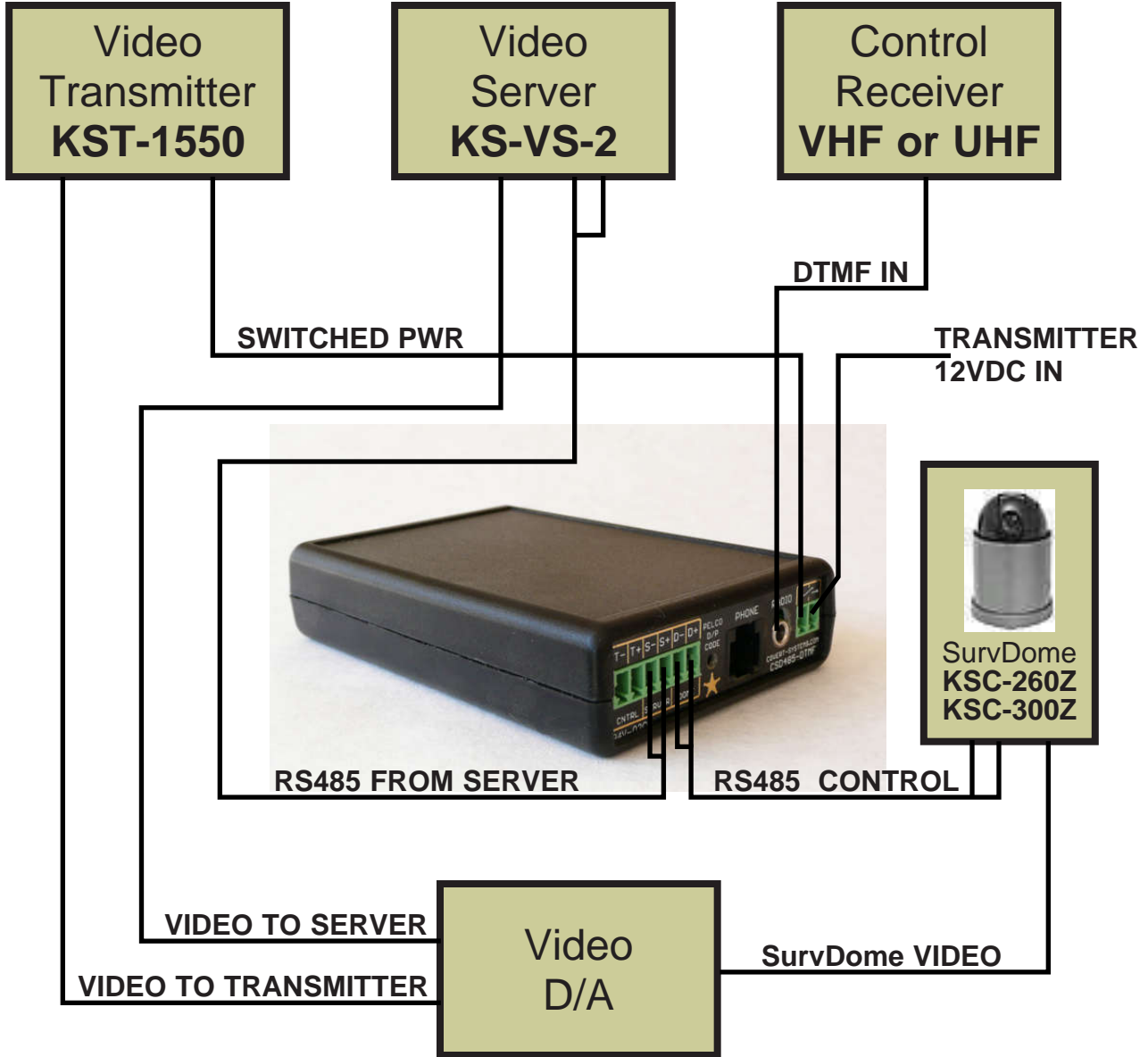


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DTMF Pelco P&D Control System
 Radio/Video Server Block Diagram



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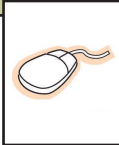
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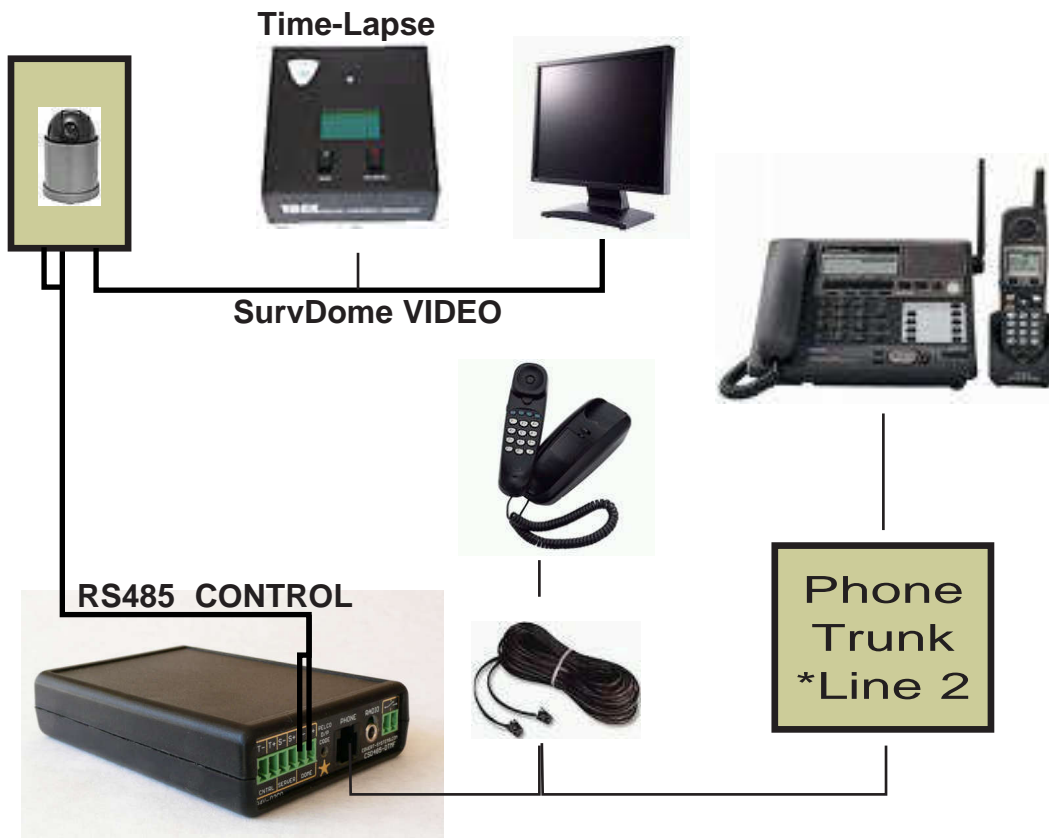
SurvDome Setup

Pawn-Shop Setup

CS-RS485-Interceptor



DTMF Pelco P&D Control System
Pawn-Shop Setup



***Note:**

Trunk Line 2 may be any trunk line **not** connected to the telephone company (previously unused). To operate the SurvDome or Pelco D/P coded device simply switch to that line number. The Interceptor will power the trunk line. *Continuous tones must be output when a key is pressed for the system to work.*



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DTMF
RS-485
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KEYPAD CODE BASICS

SURV-DOME



DTMF Keypad Codes

1. Single Key Control Functions (All others end with '#')
2. **1111#** Power Relay On, **3333#** Power Relay Off
3. **3330#** Intercept on Tones Only, **3331#** Always Intercept Server Control
4. Codes starting with '**1**' = Non-OSD Functions
5. Codes starting with '**3**' = SurvDome OSD Functions

SINGLE KEY Control Functions

COD	TD	OSD	A
PL	ZI	PR	B
IC	TU	IO	C
FN	ZO	FF	D

- '1' Power Relay ON (4 Times)
& Start of Non-OSD Function Codes
- '2' TILT UP
- '3' Power Relay OFF (4 Times)
& Start of OSD Function Codes
- '4' PAN LEFT
- '5' ZOOM IN
- '6' PAN RIGHT
- '7' *IRIS CLOSE
- '8' TILT DOWN
- '9' *IRIS OPEN
- '*' FOCUS NEAR
- '0' ZOOM OUT
- '#' FOCUS FAR

* The SURV-DOME OSD's ALC Iris default setting is "AUTO". The Iris may not be changed until ALC is set to "FIXED".



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Presets and Group Codes SURV-DOME

PRESET Functions (SurvDome preset positions 1 through 31)

Pan/Tilt and Zoom SurvDome to each desired position to set presets

- 14XX# Set** Preset number XX (**1401#** for preset 1)
- 15XX# Clear** Single preset number XX (**1509#** clears preset 9)
- 16XX# Recall** Preset number XX (**1525#** for preset 25)
- 1X# or 1XX# Quick Codes for Recall** Preset number XX
(**11#** for preset 1, no leading zero required)
- 17XX# Clear 4 Presets** numbers XX through XX+3

Examples:

- 1702#** Clear Presets number 2 through 5
- 1413#** Clear Presets number 13 through 16

GROUP Functions

- 1301#** Start Group No. 1 (Sequence through Presets 1-4)
- 1302# or 1305#** Start Group No. 2 (Sequence through Presets 5-8)
- 1303# or 1309#** Start Group No. 3 (Sequence through Presets 9-12)
- 1304# or 1313#** Start Group No. 4 (Sequence through Presets 13-16)

GROUP DWELL Functions

- 1101#** Dwell Set to 1 Second (Stay on each preset position 1 second)
- 1105#** Dwell Set to 5 Seconds
- 1110#** Dwell Set to 10 Seconds
- 1130#** Dwell Set to 30 Seconds (Stay on each position preset 30seconds)

GROUP SPEED Functions

- 1202# 1106# 1112#** Move 2, 6, 12 degrees-per-second between presets
- 1230#** Move 30 degrees per second between presets
- 1260#** Move 60 degrees per second between presets
- 12120#** Move 120 degrees per second between presets



User Defined RS485 Functionality is Available upon request

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SurvDome Setup
Preset Setup Example
CS-RS485-Interceptor

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Rapid Preset Setup Example SURV-DOME



DTMF Pelco P&D Control System Preset Setup Example



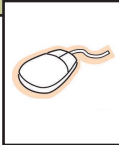
Preset Setup Procedure

1. Zoom out to full zoomed out position, pan & tilting as desired
2. **Set preset 1 code by entering 1401#**
3. Zoom to front of round camera housing
4. **Set preset 2 code by entering 1402#**
5. Zoom to front of rectangular window
6. **Set preset 3 code by entering 1403#**
7. Zoom in to flag area
8. **Set preset 4 code by entering 1404#**



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Rapid Preset Setup Example SURV-DOME



Preset 1



Preset 2



Preset 3



Preset 4

When recalling presets 1 through 4 you view images shown

1. Recall preset 1 code by entering **1601#** or QuickCode **11#**
2. Recall preset 2 code by entering **1602#** or QuickCode **12#**
3. Recall preset 3 code by entering **1603#** or QuickCode **13#**
4. Recall preset 4 code by entering **1604#** or QuickCode **14#**
5. To sequence through these images enter Group 1 Code **1301#**
Group 1 always sequences through Presets 1-4 on SurvDome

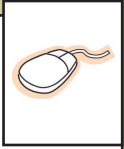
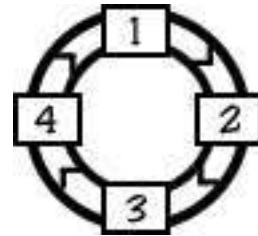
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DTMF
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Group Sequencing
SURV-DOME



Preset 1



Preset 2



Preset 3

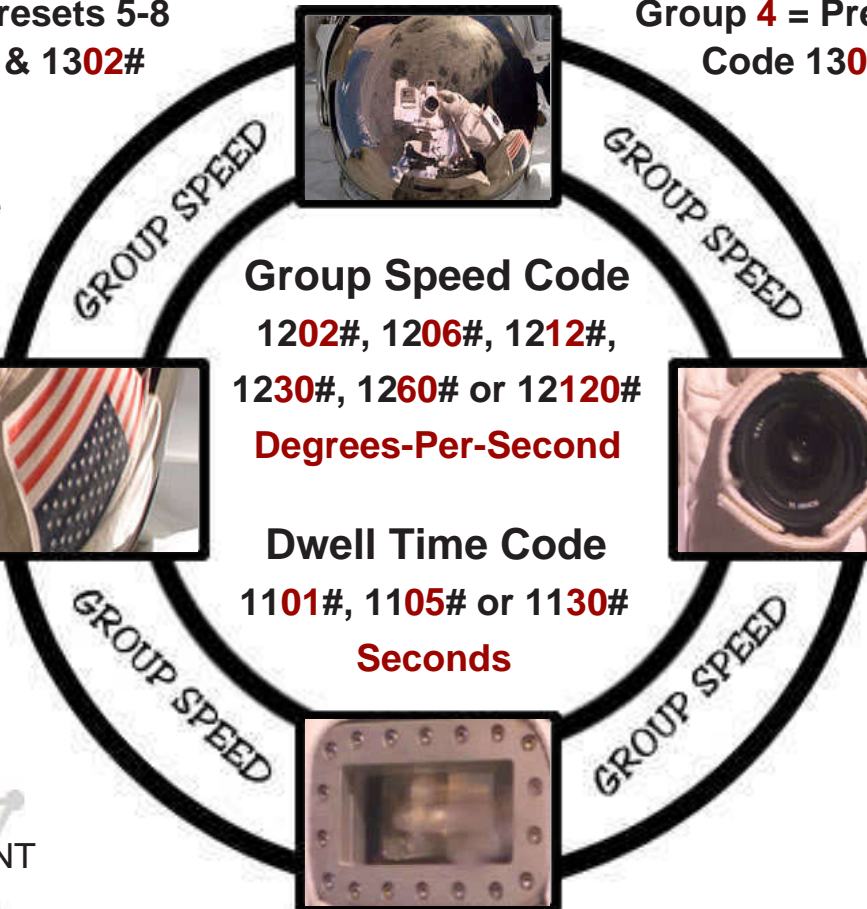


Preset 4

Group 1 = Presets 1-4
 Group 2 = Presets 5-8
 Code 1301# & 1302#

Group 3 = Presets 9-12
 Group 4 = Presets 13-16
 Code 1303# & 1304#

Group 1
 Shown Here



Group Speed Code
 1202#, 1206#, 1212#,
 1230#, 1260# or 12120#
Degrees-Per-Second

Dwell Time Code
 1101#, 1105# or 1130#
Seconds

DWELL
4 PLCS



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SurvDome Setup

Image Reversal Codes
CS-RS485-Interceptor

DTMF
RS-485
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Image Reversal Codes SURV-DOME

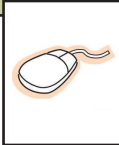
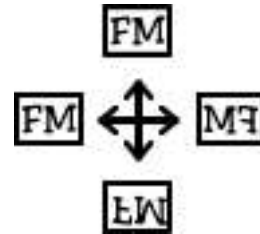


Image 1

May be corrected directly to Image 3 by either of these Codes **32846#**, **32864#**, **38246#** or **38264#**
(3 + **PAN** + **TILT KEYS** + #)



Image 2 (V-Flip only)

By Entering **328#** or **382#**
(3 + **TILT KEYS** + #)



Image 3

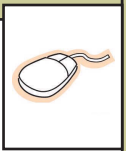
After Mirroring Image 2 by entering codes **346#** or **364#**
(3 + **PAN KEYS** + #)



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DTMF Pelco P&D Control System Image Reversal Codes



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Pan/Tilt Key Reversal Codes SURV-DOME

Reversing either Pan or Tilt keys is performed the same way as flipping or mirroring the image with the exception that a '1' is used in place of the '3' as the first key pressed in the code.

To flip an image vertically you would enter code **328#** or **382#** (3 + **TILT KEYS** + #).

To flip an image horizontally you would enter code **346#** or **364#** (3 + **PAN KEYS** + #).

1) Tilt Key direction reversal

To Reverse the tilt key's direction you enter code **128#** or **182#** (1 + **TILT KEYS** + #).

2) Pan key direction reversal

To Reverse the pan key's direction you enter code **146#** or **164#** (1 + **PAN KEYS** + #).



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