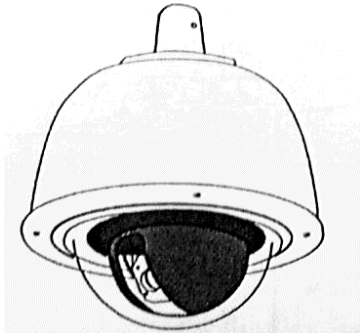


# Rx 100 Interface Receiver

**Addendum to manual for the following domes:**



**Vicon Surveyor dome.**

**Software version Rx1\_V2V3**

## Application Notes

The RX 100 provide the following functionality when controlling the above dome.

Variable speed Pan/Tilt.

Zoom/Focus, Autofocus with manual override.

Zoom speed selection, Lo, Med, High.

16 full scene presets (additional presets available using dome's menu)

2 preset patrols

4 alarm inputs driving to preset 1 - 4.

Additional commands:

AUTOPAN: Pressing the AUTOPAN key will start the dome's Tour 80. The tour is programmable using the dome's menu.

Advanced Feature	Tx1000	Tx400DC
*Dome Menu (Simulates AP key within menu)	'#' WASH	'#' 1
*Dome Menu (Simulates AI key within menu)	'#' WIPE	'#' 2
Toggle Zoom Lens Speed from Lo, Med, High	'#' AUTOPAN	'#' 3
Dome Menu (Press after exiting dome menu)	'#' LIGHTS	'#' 4

\*Link J6/pin 1-2 must be fitted to access dome menu. Removing link will disable dome menu.

RS485 control of dome using the following connections:

Rx100	Description	Dome customer Interface Board
J3-C1	TX/RX-	TB1-2
J3-C2	TX/RX+	TB1-1

### Notes:

The alarm output relay opens for approx 2 seconds upon power up. This can be used to signal power loss, etc.

If the dome's tour 80 is running, start patrol 1 & 2 is inhibited. The dome will be driven to a preset following an alarm activation. 60 seconds after alarm, the tour will restart. A manual goto preset and lens control will stop the tour leaving the AUTOPAN led on until the next manual pan command.

Accessing the dome menu.

Press '#'1 to display menu. Use pan/tilt keys or joystick to move cursor. '#'1 now acts as the AP key and '#'2 as the AI key as described on screen. When programming is completed and the menu has been exited, press '#'4. If '#'4 is not pressed, further use of '#'1 will be disabled until the '#'4 is pressed.

Presets positions greater than 17 can be programmed using the dome's menu. These can be built into Tour 80 which is started by pressing the AUTOPAN key. Please refer to dome manual for specific instructions.

**IMPORTANT: Dome switch settings:** S5 to select 9600Baud Simplex, 1 ON, 2 ON, 3 OFF. 5 - 8 are all OFF. PAL and NTSC are selectable as required 4 ON = PAL, OFF = NTSC.

S2 selects the dome address, please set to address 2, 2 ON all others OFF.

**THE INTERFACE IS CONTROLLABLE USING UP-THE-COAX TELEMETRY ONLY. 20mA TWISTED PAIR CONTROL IS NOT CURRENTLY SUPPORTED.**