BBV Rx100 *Interface Receiver*

Addendum to manual for the following domes:

360 Vision VisionDome

Rx100 software RX1_31V1
(for use with PCB 97002 issue 4 only)

Application Notes

The RX 100 provide the following functionality when controlling the above mentioned domes

Variable speed Pan/Tilt.
Zoom/Focus, Focus/Iris Override returning to auto after Zoom In/Out.
16 Full scene presets.
2 preset patrols.
Slow preset tour. Started by pressing AUTOPAN (As patrol 1 but slow speed movement and 10 second dwell)
5 minute datum/park driving to preset 1 or slow preset tour. Disabled by removing link J6/1-2
Program up to 16 privacy zones

Additional commands:
AUTOPAN: Pressing the AUTOPAN key will run the domes preset tour at slow speed between the patrol 1 preset positions.

Advanced Features	Tx400	Tx1000	Tx1500	DM DS/DS2/BX2 Mux
180 degree pan flip	'#' 1	'#' WASH	1 '#'	*889 002 or *889 10 10 2
Privacy SET (enable)	'#' 2	'#' WIPE	2 '#'	*889 003 or *889 10 10 3
Privacy CLEAR (disable)	'#' 3	'#' AUTOPAN	3 '#'	*889 004 or *889 10 10 4
Reset dome parameters	'#' 4	'#' LIGHTS	4 '#'	*889 005 or *889 10 10 5

The dome and Rx100 are linked using RS485 for control and video for the camera signal.

Rx100	Description	Dome connection
J3-C1	TX-/B	D-
J3-C2	TX+/A	D+

Notes:
The dome address must be set at 1 for all the cameras that are controlled using a Rx100. Check with the dome manual if you have any doubts.

The alarm output relay opens for approx 5 seconds upon power up and following any active alarm input.

If the slow preset tour 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.

A datum/park mode is offered that drives the dome to preset 8 following 5 minutes of inactivity. This can be disabled by removing the link fitted across J6/pin 4 & 5.

Privacy zone programming.
The keystrokes shown assume use of a TX1500. Use the keystroke shown above if using another controller.

Programming a zone
The Rx100 can be used to program 16 privacy zones. The same procedure that is used to program a preset position is used to program or clear a privacy zone. To instruct the Rx100 to program a privacy zone press 2# followed by program preset 1 – 16. The screen will then go blank showing that the privacy zone has been set.

Clearing a zone
To clear/delete a privacy zone press 3# followed by program preset 1 – 16. The relevant privacy zone will then be disabled and the dome will move to show the zone that has been disabled so that the zone can easily be re-enabled if disabled in error.

J6 Links
J6/1-2 fitted to enable the 5 minute datum mode. After 5 minutes of inactivity the dome will be driven to either preset 1 or a slow preset tour is started depending upon link J6/4-5. J6/4-5 fitted = goto preset 1, removed = start slow preset tour.

Intended for up-the-coax control.
When using 20mA TP telemetry control maybe slightly sluggish.