BBV Rx 100 *Interface Receiver*

Addendum to manual for the following domes:

Vicon Surveyor 2000 dome.

Software Rx1_V2V6
(issue 4 97002 pcb only)

Application Notes

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

Variable speed Pan/Tilt.
Zoom/Focus, Autofocus with manual override.
16 full scene presets (additional presets available using dome's menu)
2 preset patrols
4 alarm inputs driving to preset 1 - 4.

Additional commands:
RUN TOUR 80.
Pressing the AUTOPAN key will start the dome's Tour 80. The tour is programmable using the dome's menu and allows a complex preset patrol, autopan or auto tour to be programmed. Refer to the dome programming manual for exact details.

Advanced Menu Feature	Tx1500	Tx1000	Tx400DC	DM Mux
*Dome Menu – Store preset 94 (also AP once in menu)	1 '#'	'#' WASH	'#' 1	*889 002
AI (used as escape in menu)	2 '#'	'#' WIPE	'#' 2	*889 003
AUX1	3 '#'	'#' AUTOPAN	'#' 3	*889 004
AUX2	4 '#'	'#' LIGHTS	'#' 4	*889 005

*Link J6/pin 1-2 must be fitted to access dome menu. Removing link will disable dome menu. On first entering the menu, the dome may autopan and/or access the pan/tilt menu. This is acceptable and simply pressing the AI function will allow the main menu to be displayed.

RS485 control of dome using the following connections:

Rx100	Description	Dome Interface Board
J3-C1	TX/RX-	COMM IN-
J3-C2	TX/RX+	COMM IN+

Notes:
The alarm output relay opens for approx 5 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. '#'3 and '#'4 are used as AUX1 and AUX2 during menu programming.

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: S1 selects dome address, please set to address 2, S1/2=ON others OFF.
S2 is used to select control method and video standard. Set to VPS with S2/2=OFF. (SW2 all OFF)

For older versions of dome that do not support auto baud rate detect ensure that baud set for 9600.
Please check Vicon manual to confirm switch settings.