

## Keyboard Operation.

### Menu Access - Factory Default Value = 2.

By default the function to access the on-screen Menu is assigned to Preset-2.

Recalling this preset from a controller keyboard will trigger the OSD menu function, not the preset's recorded position.

All set-up functions can then be accessed by navigating the on-screen menu via joystick/direction-keys and Preset-1 commands (Select/Enter) from the joystick controller.

When the camera has been set-up go to **SETUP > DISPLAY OPTIONS > MENU PRESET** to move the Menu-preset from the default setting (Preset-2) to a alternative number, (Preset 2 – 89).

### Preset-Functions.

Some functions can be directly actioned by recalling specified presets as short-cuts.

These are offset from the Menu-preset, occupying the values above it.

If the Menu-preset is reassigned the Preset-functions will be moved correspondingly.

Additionally, The Menu, Wipe and Wash functions have fixed presets in the 90-range. These cannot be re-assigned.

### Default menu access and short-cuts.

Short-cuts	Fixed Short-cuts	Action
----	Preset 1	Select (Enter)
Preset 2	Preset 95	Menu
Preset 3 (+1)	----	Colour/Mono
Preset 4 (+2)	Preset 99	Wipe
Preset 5 (+3)	Preset 98	Wash

### Preset programming procedure.

Go to format position.

Store position mode.

Move camera to position with joystick.

Store position.

**Note** – OE manufacturers may update software or protocols in their keyboards without prior warning, This may change the way in which Camera unit behaves in relation to keyboard operation. The manufacturer accepts no responsibility for such changes in OE Manufacturer software/protocols.

## Rugged Camera Unit.

### Quick Start Guide



These instructions are provided as a quick reference guide.

It is important that the that the **Installation and Configuration Guide**, included on the accompanying CD is thoroughly read prior to installation

### Safety Warning

**Installation of this product should only be carried out by a competent and suitably qualified engineer. If you are in doubt, you should refer the installation to a suitably qualified person.**

### Disclaimer

The manufacturer reserves the right to change specifications and procedures integral to the operation, control and programming of this product at any time and without prior notice.

This manual relates to firmware version 1.3.9 and 1.3.11 (Platform 2).

### Mounting:

Thread the composite cable through the adaptor before it is mounted to the column or bracket. The cable should be dressed such that approx 25~35mm of the weatherproof connector is protruding out of the smaller plate that connects to the Camera unit.

The 4" (101.6mm) PCD plate should be mounted to bracket or tower using M8 bolts, washers and Ny-loc type nuts.

It is important that this type of nut is used to prevent injury should the bolts work loose in operation, due to vibration.

A stainless steel wire lanyard and clip is provided as a safety measure should any of the bolts that hold the body of the Camera unit to the adaptor bracket work loose.

Always use the lanyard to support the Camera unit during installation and ensure that it is connected and in use when the Camera unit mounting is complete.

Insert the connector into the socket on the Camera unit, and screw home the retaining ring. Push the connector back into the adaptor bracket and align the hex head bolts with the keyhole slots. Push the heads through the keyholes and turn the Camera unit body so that the bolt heads drop into their respective receptacles. The bolts should then be tightened to approx 1.6kgm.



## Camera unit Composite Cable ~ RCPS1 connection board.

Connections for the Camera unit Composite cable should be made to the terminals of the RCPS1 as follows:

### Video:

- Connect the centre core to the terminal marked "VIDEO"
- Connect the screen to the terminal marked "GND"
- Or use PCB mounted BNC socket.

### Power:

- Connect the **Red** 20AWG cable to the terminal marked **PTZ 1P**
- Connect the **Black** 20AWG cable to the terminal marked **PTZ 1N**

### Washer :

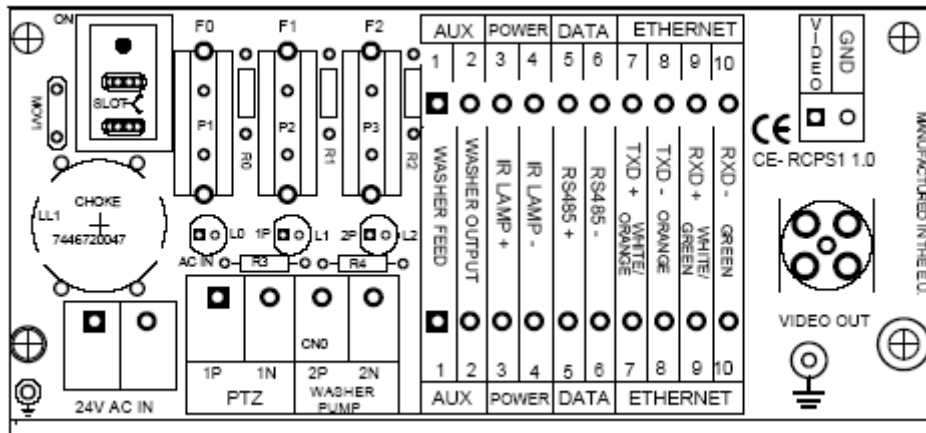
- Connect one **White** 20AWG cable to the upper terminal marked **AUX1**
- Connect the other **White** 20AWG cable to the upper terminal marked **AUX2**

### RS485 data:

- Connect the **Yellow** 26AWG cable to the upper terminal marked **DATA 5**
- Connect the **Blue** 26AWG cable to the upper terminal marked **DATA 6**

### Earth:

- Connect the **Green/Yellow** cable to the **Earth stud adjacent to the BNC output socket.**
- The IR Lamp and Ethernet terminals are reserved for future use.



## RCPS1 - System Side Connections

### Video:

The Video output from the RCPS1 and the Camera unit is available on the PCB mounted BNC socket. Connect the coaxial cable back to the monitor / matrix or DVR to this socket. If the Camera unit and control system are configured to use coax based telemetry, it will pass through this connector.

### Data:

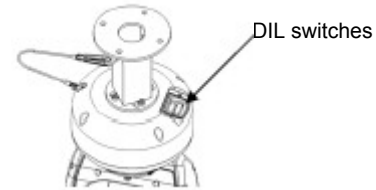
- Connect **RS485A** to the lower terminal marked **DATA 5**
- Connect **RS485B** to the lower terminal marked **DATA 6**

### Power:

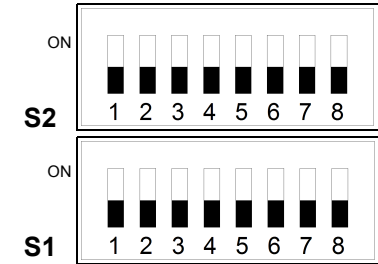
- Connect 240VAC Live the to the mains input marked L
- Connect 240VAC Neutral the to the mains input marked N
- Connect 240VAC Earth the to the mains input marked E

The supplier installed mains input cable to the RCPS1 should have an isolator fitted and be fused according to its gauge and local electrical regulations. Where applicable surge protection should be fitted. Failure to observe such regulations may result in equipment failure, injury or death.

## Configuration – DIL Switches.



Control Protocol.  
Switch Bank 2



### Protocol selection.

The Control Protocol selection is made on Switch Bank 2, switches S2-1 S2-2 S2-3 S2-4 and S2-5.

Vendor	Protocol	Ident	S2-1	S2-2	S2-3	S2-4	S2-5
CBC / 360-Vision	C-Dome	0C VIS360	-	-	On	On	-
DeView	VTC485	09 VTC485	On	-	-	On	-
Forw ard Vision	FV Mic1-300	0D FV300	On	-	On	On	-
Ikegami	ILAN	0E IKILAN	-	On	On	On	-
Ikegami	RS485	0B IK485	On	On	-	On	-
Kalatel	DP	05 KALADP	On	-	On	-	-
Overview	OCP485	00 OCP485	-	-	-	-	-
Pelco D	D 2400	0A PELD24	-	On	-	On	-
Pelco P	P4800	02 PELP48	-	On	-	-	-
Pelco P	P9600	01 PELP96	On	-	-	-	-
Philips	2400	04 PHL24	On	-	On	-	-
Philips	9600	03 PHL96	On	On	-	-	-
Samsung	SCC2000	0F SCC200	On	On	On	On	-
Samsung	SCC3000	08 SCC300	-	-	-	On	-
Sensormatic	-	06 SENSO	-	On	On	-	-
Ultrak / Honeywell	Diamond	07 ULTRK	On	On	On	-	-
VCL	-	11 VCL485	On	-	-	-	On
Baxell DC	Standard	1E BAXDC	-	On	On	On	On
BBV Coaxial	-	1F BBVCAx	On	On	On	On	On
Pelco Coaxitron	Co-axitron	18 PELCAx	-	-	-	On	On

Switch S2-8 is for termination of the RS485 bus. Set to ON to enable termination. (S2-6, S2-7 – Unused).

### RS485 ID Addressing.

The device ID Address selection is made on Switch Bank 1, switches S1-1 – S1-8.

Addr	1	2	3	4	5	6	7	8	Addr	1	2	3	4	5	6	7	8
0	Off	Off	Off	Off	Off	Off	Off	Off	8	-	-	-	On	-	-	-	-
1	On	-	-	-	-	-	-	-	9	On	-	-	On	-	-	-	-
2	-	On	-	-	-	-	-	-	10	-	On	-	On	-	-	-	-
3	On	On	-	-	-	-	-	-	11	On	On	-	On	-	-	-	-
4	-	-	On	-	-	-	-	-	12	-	-	On	On	-	-	-	-
5	On	-	On	-	-	-	-	-	13	On	-	On	On	-	-	-	-
6	-	On	On	-	-	-	-	-	14	-	On	On	On	-	-	-	-
7	On	On	On	-	-	-	-	-	15	On	On	On	On	-	-	-	-

For RS485 Addresses after No.15, refer to the **Installation and Configuration Guide.**

Coax based protocols do not use the RS485 address, this should be left in the Address 0 state.