

SAFEGUARDS AND WARNINGS

⚠ WARNING

Installation and servicing is only to be carried out by suitably qualified and experienced personnel.

This product is designed for use in general purpose CCTV applications and has no other purpose.

This product is designed to operate in a class 2 indoor general environment and must not be installed where exposed to rain or moisture.

This product must be powered from a class 2 isolated power source as supplied.

CERTIFICATIONS

This product meets the requirements of the following standards:

Electromagnetic Compatibility

EN55022:1995 Limits and methods of measurement of radio disturbance characteristics of information technology

EN50082-1:1992 Electromagnetic compatibility - Generic Immunity standard

Comprising:

IEC 801-2:1991 Electrostatic discharge

IEC 801-3:1984 Radiated electromagnetic fields

IEC 801-4:1988 Fast transient bursts

Safety

EN 60950:1992 Safety of information technology equipment, including electrical business equipment


DECLARATIONS

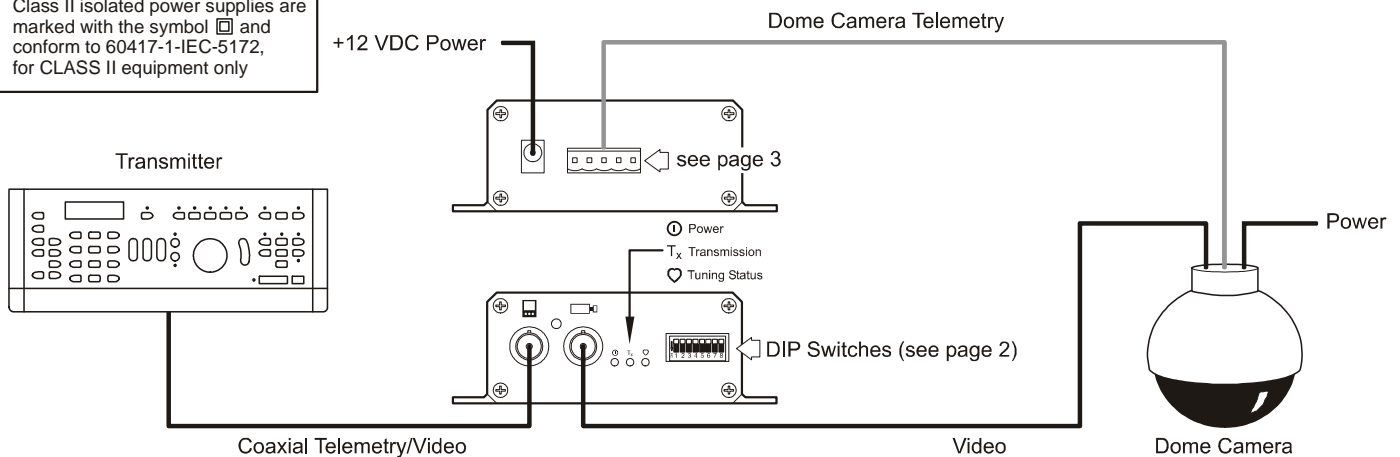
The manufacturer declares that the DAX unit supplied with this manual is compliant with the EMC directive 89/336 EEC and the low voltage directive 73/23/EEC and 93/68/EEC.

DESCRIPTION

The DAX/PAN converts Baxall coaxial telemetry into Dome telemetry. It connects between your transmitter and dome camera in the coaxial line as shown below. The DAX/PAN requires a +12 VDC or 24 VAC class 2 isolated power supply.

Note: Baxall Limited have tested and validated correct operation with cable lengths between the DAX unit and dome of 10 metres. For distances greater than 10 metres, the installer is advised to undertake a site trial to ensure satisfactory operation.

IMPORTANT
Class II isolated power supplies are marked with the symbol  and conform to 60417-1-IEC-5172, for CLASS II equipment only

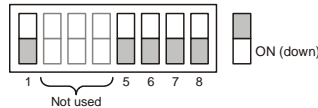


DAX/PAN Installation

SWITCH SETTINGS

Your DAX/PAN is compatible with WV-CSR400, WV-CSR600, WV-CS850 and WV-CSR650 series Panasonic Dome cameras. DIP switches are used to set the type of dome camera and the mode of autopan as shown below:

- | | |
|---|---|
| Switch 1 ON: 9600 bps (takes effect after power is applied) | Switch 1 OFF: 19200 bps (takes effect after power is applied) |
| Switch 5 ON: Surface mounted dome camera | Switch 5 OFF: Ceiling mounted dome camera |
| Switch 6 ON: All other dome cameras | Switch 6 OFF: WV-CSR400 dome (all presets disabled) |
| Switch 7 ON: Extended preset mode enabled | Switch 7 OFF: Use Wipe key to access presets 9-16 (see below) |
- Switch 8 ON: Dome will perform autopan function until telemetry timeout occurs.
 Switch 8 OFF: Dome will cycle (pan and tilt) through presets 1 to 16.



STORING AND RECALLING PRESETS

To store a preset using a ZTX6:

1. Press the Function (F) key.
2. Enter the preset number*.
3. Press the Preset (X) key.
4. Adjust the camera's position for the desired view, wait for two seconds then press the Wash (W) key.

To store a preset using a ZMX:

1. Press the Function (F) key and then the Preset (X) key.
2. Enter the preset number*.
3. Adjust the camera's position for the desired view, wait for two seconds then press the Wash (W) key.

To recall a preset using a ZTX6:

1. Enter the preset number*.
2. Press the Preset (X) key.

To recall a preset using a ZMX:

1. Press the Preset (X) key.
2. Enter the preset number*.

* Preset numbers can be between 1 and 16. To enter the number for a preset that is between 1 and 8, make sure the Wipe (W) key is set to OFF and use the numbers 1 to 8 on the keyboard. To enter the number for a preset that is between 9 and 16, make sure the Wipe (W) key is set to ON and use the numbers 1 to 8 on the keyboard.

Note: Another preset should be activated to allow correct operation of all presets.

EXTENDED FEATURES

Extended Presets

The Wipe (W) key may be used to access presets 9 to 16. If the Wipe key is off, presets 1 to 8 are accessed. If the Wipe key is on, presets 1 to 8 become presets 9 to 16.

MENU ACCESS

To turn the camera menu on, set the Camera Power (C) key to ON and select any preset; To turn the camera menu off, set the Camera Power (C) key to OFF.

To navigate the menu use the joystick or pan/tilt keys.

To accept a menu selection press either of the Zoom keys; To reject a menu selection press either of the Focus keys.

To enter the SPECIAL menu, move the cursor to highlight SPECIAL on the menu and press the Wash (W) key. **Note:** this only applies to the SPECIAL 2 menu when using the WV-CS850 dome.

Baxall telemetry keys correspond to the following keys within the menu system. Refer to the Panasonic operating instructions.

Baxall	Panasonic
Joystick; Pan/tilt	Joystick
Either Zoom key	CAM (SET)
Either Focus key	F2

MENU ACCESS**IMPORTANT NOTES**

When the ALC/MANUAL option in the CAMERA menu is set to ALC, the iris will not fully close. This is because it is limited to the value set by the ALC level in the camera. If you need to fully close the iris, set the ALC/MANUAL option to MANUAL.

When using the WVCS-850 dome camera with the Autopan mode set on the DAX/PAN, make sure that the LOCAL/REMOTE setting in the SETUP MENU is set to LOCAL. This will prevent the Autopan function from stopping after one minute.

Some of the menu options use 'slider bar' style controls. It may take several operations of the joystick to see a change in the position of the slider. This is the normal behaviour of the dome's menu system and should not be viewed as a problem with the DAX/PAN unit.

INSTALLATION

All video is 1V pk-pk composite via 75 ohm video coaxial cable and BNC connectors. The connections to your DAX/PAN are shown on the case and in the schematic overleaf. The camera ID number should be set to one (see your camera instructions). For best results from the auto-tune feature ensure that a telemetry signal is being sent by the transmitter immediately after your DAX/PAN is powered up.

- Connect the +12 VDC supply and the Dome Cameras' RS485 extension lead to the connectors on the interface module according to the schematic diagram overleaf.
- Connect the interface module to your transmitter and to your dome camera according to the schematic.

On the WV-CS850 series, set the camera's internal switches as follows:

8-way switch: 1 and 8 ON; 2, 3, 4, 5, 6 and 7 OFF

4-way switch: 1, 2, 3 and 4 ON

Note: For the WV-CS850 series, use the conventional Panasonic protocol.

OPERATIONAL NOTES

The operational speed of the zoom and iris functions is determined by the dome camera and is not a function of the DAX/PAN.

Make sure that the Camera Power (☞) key on the transmitter is set to OFF when you are not using the menu system. If the Camera Power (☞) key is set to ON, adjustments to the pan, tilt, zoom, focus and iris cannot be made by the operator.

SPECIFICATION

Inputs: Baxall-coaxial-telemetry as defined by the Baxall coaxial telemetry specification, +12 VDC.

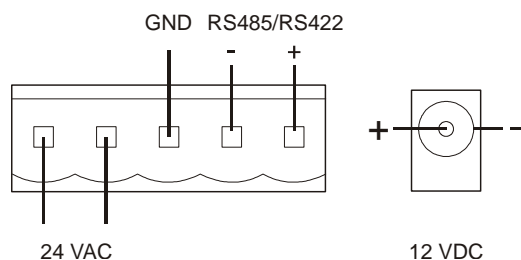
Output: Panasonic Dome Camera telemetry.

Power: nom. +12 VDC (min. 8.0 VDC max. 24 VDC) class 2 isolated, 50mA max. (0.6 Watts); 24 VAC.

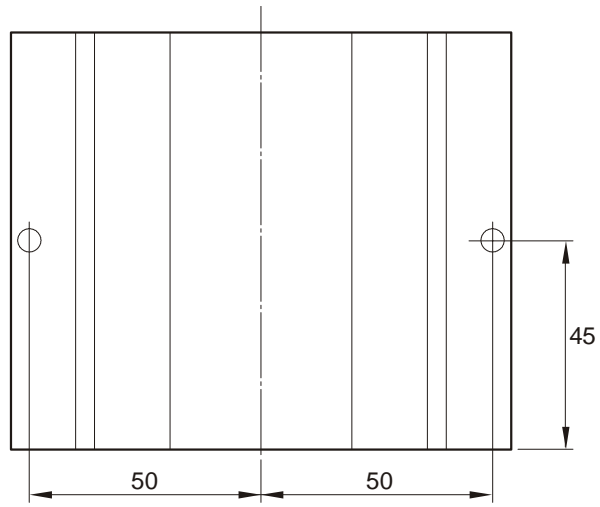
Power Supply: 230 VAC to +12 VDC class 2. Max 200mA.

Dimensions: 115 x 107 x 37 mm. (WxDxH)

Temperature limits: Only use this product between the temperatures of -10° and +40° C.

CONNECTOR PIN-OUT

IMPORTANT: The 24 VAC power supply must be a class 2 type. Do not make any connection to ground.



Baxall Limited, Stockport, England. Visit our Web site: <http://www.baxall.com>

Baxall Limited reserve the right to make changes to the product and specification of the product without prior notice to the customer.