ZTX

TELEMETRY TRANSMITTERS

ZTX6

FEATURES

- Telemetry control for up to 32 cameras
- Outputs for up to 8 monitors
- Set-up via simple on-screen menus
- 'Down-the-coax' telemetry
- 8 Camera presets per receiver
- 16 Camera sequences
- Adjustable dwell times
- Advanced microprocessor control
- Up to 32 alarm inputs
- 2 alarm outputs

Feature Table

Model	ZTX6/8M2	ZTX6/16M4	ZTX6/24M6	ZTX6/32M8
Camera Inputs	8	16	24	32
Monitor Outputs	2	4	6	8
Pan and Tilt	Yes	Yes	Yes	Yes
Focus	Yes	Yes	Yes	Yes
Zoom	Yes	Yes	Yes	Yes
Iris	Yes	Yes	Yes	Yes
Camera Power	Yes	Yes	Yes	Yes
Wash	Yes	Yes	Yes	Yes
Auto Pan	Yes	Yes	Yes	Yes
Lamps	Yes	Yes	Yes	Yes
Wipe	Yes	Yes	Yes	Yes
Camera Presets	8 per receiver	8 per receiver	8 per receiver	8 per receiver
Sync/Async Telemetry	Yes	Yes	Yes	Yes
Camera sequences	16 steps	16 steps	16 steps	16 steps
Monitor Dwell	User defined	User defined	User defined	User defined
Alarm inputs	8	16	24	32
Alarm outputs	2	2	2	2

Specifications

Inputs and Outputs

Video inputs individual enable/disable
8, 16, 24 or 32 video inputs with switchable termination.
2, 4, 6 or 8 video outputs
2 alarm outputs on the base module (individually N/O or N/C)
8 alarm inputs with each 8 camera inputs (individually N/O or N/C)
9 to 15 V DC power supply input
Cables and connectors available as BAX-RKIT

Telemetry

Baxall Coaxial Telemetry as defined by the Baxall Telemetry Standard
Outputs individually selectable STANDARD/ALTERNATE telemetry
Outputs individually selectable STANDARD/ENHANCED preset setting
Pan and Tilt, Focus, Iris and Zoom
Auxiliaries: Camera power, Wash, Wipe, Lamps, Auto-pan, AUX 4 (all individual or global)

Sequencing Operations

8 x 16 step sequences, adjustable dwell time (0 to 99 seconds) for each camera in each sequence.

ZTX
TELEMETRY TRANSMITTERS

ZTX6

Specifications

Alarm Responses

Global enable/disable
Switch camera to monitor, select preset.
Display a response title
Trigger alarm outputs
Output network message (event)
Four different display modes
Three different clearance modes
ACK - acknowledge (active until manually cleared)
TRANSP - transparent (contact reset or manual acknowledge)
TIMEOUT - Timed-out (active until timed-out or acknowledged)

System Security

4-digit Password, 2 levels plus basic operation gives 3-levels of security.

Dimensions

Model	(D x W x L)	Weight
8M2	50 x 132 x 215	0.9 kg
16M4	50 x 132 x 304	1.4 kg
24M6	50 x 132 x 393	1.9 kg
32M8	50 x 132 x 482	2.4 kg

Material

Mild-steel and aluminium

Colour

ZTX6: Graphite-grey, blue lettering

Temperature Specification

Operational limits: -10^{O}C to +50^{O}C at 10% - 80% relative humidity (non-condensing)
Storage limits: -20^{O}C to +60^{O}C at 10% - 95% relative humidity (non-condensing)

Architects and Engineers Bid Specifications

The telemetry system shall encompass a telemetry matrix and a separate keyboard.

The telemetry matrix shall be capable of expansion up to 32 camera inputs and 8 monitor outputs in 8x2 modules. Expansion shall be easily achieved in the field using a modular expansion case.

The telemetry matrix shall be capable of 19”rack mounting using a separate rack mount adapter plate.

The telemetry transmitter shall accept 8 x CCIR (PAL) standard composite video 1v pk-pk and shall be terminated at the transmitter with 75Ω. The input can be de-terminated via a set of individual switches on the matrix unit.

The video outputs from the telemetry transmitter shall produce 2 x CCIR (PAL) standard composite video at 1v pk-pk when terminated with 75Ω.

Video input and output connections shall be via BNC type connectors.

The telemetry matrix shall control a PTZ camera on any camera input BNC.

The transmitter shall send the telemetry via the camera coaxial cable using synchronised FSK signalling. With suitable cable this shall be capable of operating over at least 500 metres of coaxial cable.

The transmitter shall also be capable of controlling over twisted pair telemetry using 20mA current loop, using an optional adapter. This shall enable the transmission over distances of greater than 2km and interfacing to alternative transmission media, such as microwave and fibre optics.

The telemetry matrix shall be capable of accepting 8 alarm inputs, with expansion to 32 with additional modules. These shall be configurable as either “normally open” or “normally closed” contacts.

The telemetry matrix shall be supplied with 12V DC and a separate 230V AC to 12V DC PSU shall be included in the product.

The telemetry matrix shall be controlled via a remote keyboard, over a proprietary Bax-net RS485 bus protocol. This shall be via a screened twisted pair cable, connecting via locking RJ45 connectors.

Architects and Engineers Bid Specifications

The remote keyboard connection shall also incorporate a 12V DC power supply to the keyboard. For connection distances up to 10 metres this shall be powered from the telemetry matrix. For connection distances of greater than 10 metres a separate remote connection kit shall be used.

The remote keyboard shall have an LCD display for quick reference to camera and monitor selections, and shall utilise an elastomeric keyboard, for fast and responsive tactile key actions.

The remote keyboard shall incorporate a rocker pad for the pan and tilt functions or the remote keyboard shall incorporate a joystick for proportional control of pan and tilt functions

The remote keyboard shall have facility for control of all receiver functions including pan, tilt, zoom, focus, iris and 4 auxiliary functions. The remote keyboard shall also support the facility for global latched functions to be called. (For example: All wipers on)

The system shall be capable of expansion up to 8 keyboards on the Bax-net system.

Each keyboard shall have a unit ID with associated priority of operation.

The system shall be capable of multiple keyboards controlling multiple cameras at any one time.

The system shall be programmable via password protected on screen menus.

The system shall be capable of further expansion by the use of multiple telemetry matrix units on the same Bax-net network.

The system shall be capable of integration with a range of multiplexers on the same Bax-net network. This shall enable an operator to control multiple matrices or multiplexers from the same remote keyboard.

Baxall Limited, Horsfield Way, Bredbury Park Industrial Estate, Stockport, Cheshire, SK6 2SU
Tel: 0161 406 6611 • Fax: 0161 406 8988 • Email: Sales@baxall.com • Website: http://www.baxall.com