BAXALL
LIMITED

ZR3 & ZR4
MINI

- **8 preset positions, programmable from the transmitter (ZR4 Mini only)**
- **Software driven, auto or random pan (ZR4 Mini only)**
- **Alarm preset override of auto or random pan then automatic return after 60 seconds time-out (ZR4 Mini only)**
- **8 alarm inputs, one alarm output (ZR4 Mini only)**
- **Four programmable auxiliary outputs (ZR4 Mini only)**
- **Video gain and lift compensation for long cable runs**
- **Reduced size for inclusion in the camera housing**
- **IP65 boxed version available**
- **On-board test routine eases commissioning**
- **Telemetry control via video coax or 20mA twisted pair**
- **Two programmable auxiliary outputs (ZR3 Mini only)**

The ZR3 Mini and ZR4 Mini telemetry receivers offer cost effective proven technology, which is simple to install and reliable in operation.

They will operate from either 20mA twisted pair or coax based Baxall telemetry. The unit has adjustable video amplification for long cable runs and easy installation procedures aided by comprehensive on-board test software.

The ZR3 Mini has PAN, TILT, ZOOM and FOCUS FUNCTIONS plus 2 auxiliary outputs, each of which can be selected as one of the following – LAMPS, CAMERA POWER, WASH or WIPE.

The ZR4 Mini is a powerful full-function telemetry receiver, offering 8 pre-set positions. It has PAN, TILT, ZOOM, FOCUS and IRIS function, plus 4 auxiliary outputs, each of which can be selected as one of the following – LAMPS, CAMERA POWER, WASH and WIPE. The 4th auxiliary can be configured as a separate output for other devices eg., barriers. The ZR4 Mini offers 8 presets which may be set from the control position, each with an individual alarm input on-board, or can be controlled by external alarm inputs within the Baxall ZT range of transmitters. A common alarm relay output is also provided.

Leading edge design and manufacturing electronic techniques have significantly reduced the size. Measuring just 12cm x 10cm, the Mini is small enough to be mounted inside a camera housing, although, it is still available in a weatherproof box (with power supply) if required. Due to its on-board test facilities and diagnostic software, both the ZR3 Mini and ZR4 Mini will provide a cost effective solution for both installation and commissioning.

Both the ZR3 Mini and ZR4 Mini are compatible with the Baxall ZT range of transmitters, (including existing installations).

BSIA
British Security Industry Association

OUR VISION IS YOUR SECURITY

	ZR3 MINI	ZR4 MINI
ORDER CODES	ZR3M/PCB - PCB only version ZR3M/WBX ZR3M/24WBX WBX – IP65 standard weather-proof box supplied complete with a 240V AC to 12V DC power supply unit. Maximum 250mA. 24WBX – IP65 standard weather-proof box including a 240V AC to 24V AC power supply unit for powering a 24V AC pan-and-tilt head and also a 12V DC power supply for powering the telemetry board.	ZR4M/PCB - PCB only version ZR4M/WBX ZR4M/24WBX WBX – IP65 standard weather-proof box supplied complete with a 240V AC to 12V DC power supply unit. Maximum 750mA. (to power the board and single 12V DC camera) 24WBX – IP65 standard weather-proof box including a 240V AC to 24V AC power supply unit for powering a 24V AC pan-and-tilt head and also a 12V DC power supply for powering the telemetry board.
POWER INPUTS	Supply Voltages: Board Power, from a class 2 supply +12V DC nominal range ±10%. Maximum 250mA AC voltage for the pan-and-tilt head motors Maximum 240V AC Maximum 5A	Supply Voltages: Board Power, from a class 2 supply +12V DC nominal range ±10%. Maximum 250mA AC voltage for the pan-and-tilt head motors Maximum 240V AC Maximum 5A
TELEMETRY INPUTS	Baxall Coaxial-Telemetry or 20mA current loop/twisted-pair as defined by Baxall Telemetry specification.	Baxall Coaxial-Telemetry or 20mA current loop/twisted-pair as defined by Baxall Telemetry specification.
VIDEO INPUT	1 V pk-pk composite video via 75R coaxial cable with BNC connector	1 V pk-pk composite video via 75ohm coaxial cable with BNC connector
RELAY CONTACTS	6 relay closures for : Pan, Tilt, AUX A, AUX B. Where AUX A and B can each be Wash, Wipe, Lamps or Camera. The relay inputs are connected to the same supply connection and have a snubber circuit to neutral. Maximum 240V AC. Maximum 750mA	8 relay closures for : Pan, Tilt, AUX A, AUX B, AUX C, AUX D. Where AUX A, B and C can each be Wash, Wipe, Lamps or Camera. AUX D can be Wash, Wipe or AUX 4. The relay inputs are connected to the same supply connection and have a snubber circuit to neutral. Maximum 240V AC. Maximum 750mA A volts-free alarm output relay, Maximum 240V AC. Maximum 3A
LENS-MOTOR DRIVES	Adjustable between 5V DC and 10V DC with a one second slow start. Maximum 100mA.	Adjustable between 5V DC and 10V DC with a one second slow start. Maximum 100mA.
VIDEO OUTPUT	1V pk-pk at default GAIN and high-frequency LIFT settings Maximum GAIN +6dB. Maximum LIFT +12dB at 5MHz	1V pk-pk at default GAIN and high-frequency LIFT settings Maximum GAIN +6dB. Maximum LIFT +12dB at 5MHz
DIMENSIONS	PCB only: 120 x 100 x 30mm Weather-proof box: 280 x 280 x 130mm Note - an allowance of 10mm is included in the depth for mounting pillars	PCB only: 120 x 100 x 45mm Weather-proof box: 280 x 280 x 130mm Note - an allowance of 10mm is included in the depth for mounting pillars
WEIGHT	PCB Only: 250 grams PCB and Power supply in the weather-proof box : 2 kg	PCB Only: 250 grams PCB and Power supply in the weather-proof box : 2 kg
ENCLOSURE	Standard IP65 weather-proof box (WBX) Light grey with aluminium base plate	Standard IP65 weather-proof box (WBX) Light grey with aluminium base plate
TEMPERATURE SPECIFICATION	Operational Temperature: –10°C to +50°C Humidity: 10% to 80% (non-condensing) Storage Temperature: –20°C to +60°C Humidity: 10% to 95% (non-condensing)	Operational Temperature: –10°C to +50°C Humidity: 10% to 80% (non-condensing) Storage Temperature: –20°C to +60°C Humidity: 10% to 95% (non-condensing)
FEATURES	Video gain and lift compensation for long cable runs Two programmable auxiliary outputs	8 pre-set camera positions – each has a corresponding alarm connection. The pre-sets are selected and set-up from the transmitter but also respond to their corresponding alarm event. Software drivers for Auto- and Random-Pan, on-board-test and diagnostics
ALARM CONNECTIONS		4 normally-open 4 configurable for normally-open or normally-closed.