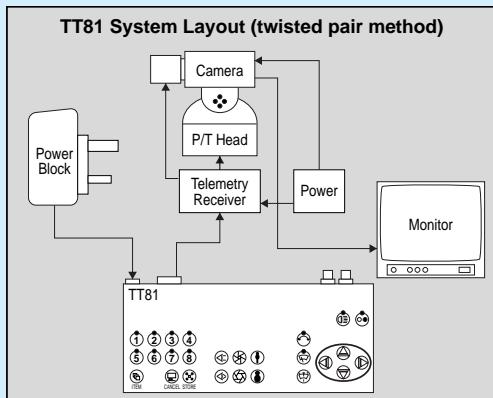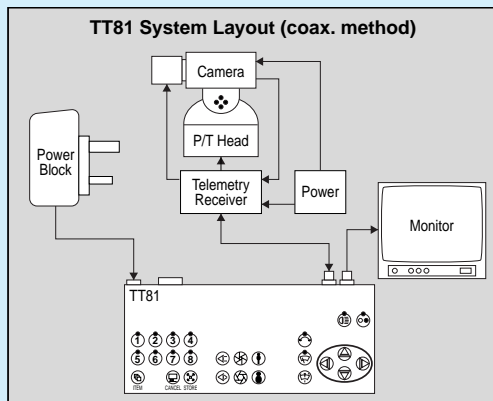# Nortek

TT81
Telemetry Transmitter
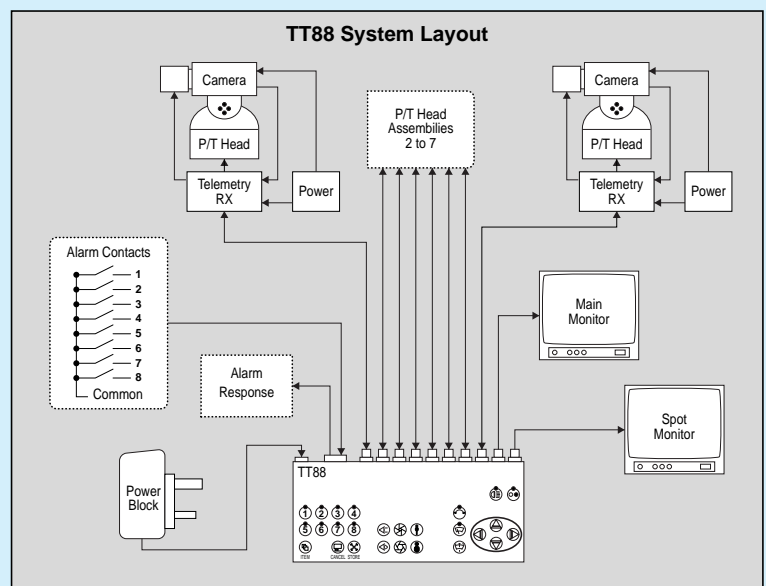
TT88
Telemetry Transmitter / Video Switcher

☐ TELEMETRY TRANSMITTER

☐ VIDEO SWITCHER: 8-IN 2-OUT

☐ BUILT-IN ALARMS

☐ 8 PRESET TRIGGERS

The TT81 and TT88 range of telemetry transmitters are available for single camera to single monitor installations or for more sophisticated systems using up to 8 cameras with main and spot monitors.

For one-to-one systems the TT81 provides a joystick option and will operate over coax or 20mA twisted pair cable. All the standard telemetry control functions are included: pan, tilt, zoom, focus, iris, wash, wipe, lamp, autopan and a spare programmable auxiliary, latching or momentary, to operate, for example, a door latch or gates. Each latching function key has an associated LED indicating current status. Eight preset camera positions are available with an optional patrol function (see corresponding datasheet for TR80-series telemetry receivers).

The TT88 series is available with a joystick option and operates on a coaxial cable. Up to 8 cameras and 2 monitors, main and spot, may be connected to the controller with provision being made for 8 audible alarm inputs, normally open or normally closed. All the functions of the TT81 are included with the addition of camera skip facility and programmable camera dwell times.

TT81 System Layout (coax. method)

TT81 System Layout (twisted pair method)

TT88 System Layout

SELECTION CHART

	TT81TCJ	TT81TCK	TT81TJ	TT81TK	TT88CJ	TT88CK
CAMERA INPUTS	1	1	1	1	8	8
MONITOR OUTPUTS	1	1	1	1	2	2
JOYSTICK	✓	✗	✓	✗	✓	✗
PAN / TILT, ZOOM	✓	✓	✓	✓	✓	✓
FOCUS, IRIS	✓	✓	✓	✓	✓	✓
WASH, WIPE, LAMPS	✓	✓	✓	✓	✓	✓
AUTO PAN	✓	✓	✓	✓	✓	✓
CAMERA PRESETS	8	8	8	8	8	8
COAX	✓	✓	✗	✗	✓	✓
20mA TWISTED PAIR	✗	✗	✓	✓	✗	✗
CAMERA SKIP	✗	✗	✗	✗	✓	✓
ALARM INPUTS, N/O OR N/C	✗	✗	✗	✗	✓	✓

TT88 SPECIFICATIONS

VIDEO
- Camera Inputs: 8, internal jumpers facilitate removal of 75Ω terminators.
- Monitor Outputs: 1 main monitor & 1 spot monitor.
- Format: Composite video 75Ω 1V$_{pk-pk}$, CCIR 625-line 50Hz.
- Connectors: BNC

TELEMETRY METHOD
- Coaxial: FSK carrier transmitted during vertical blanking.
- Compatibility: Baxall system.

TELEMETRY FUNCTIONS
- Pan / Tilt
- Lens: Zoom, Focus & Iris.
- Latching Functions: Auto-Pan$_{(AUX3)}$, Wipe$_{(AUX6)}$, Lamp$_{(AUX5)}$, AUX$_{(AUX1)}$.
- Momentary Functions: Wash$_{(AUX2)}$
- Preset Triggers: 8

Base detail of TT88

VIDEO SWITCHER FUNCTIONS
- Main Monitor: Manual camera selection & auto sequencing.
- Spot Monitor: Manual camera selection & auto sequencing.
- Auto Sequencing: Main & Spot monitors have independent auto sequencing.

ALARMS
- Alarm Inputs: 8, contact types are individually programmable (N/O or N/C).
- Alert Tone: Can be disabled
- Alert Relay: Single pole changeover; contacts are floating; rating: 12V @ 200mA
- Features: Programmable alert period & preset activation upon alarm.

POWER
- Supply Requirements: 12V +/- 10%; <3W
- Connector: D.C. Socket 2.1mm.

POWER ADAPTOR
- Input: 230Vac +/- 10%; 50Hz
- Output: 12Vdc @ 300mA; unregulated; class II.

DIMENSIONS (mm)
- L x W x H: 255 x 150 x 40 (ignoring joystick option)

TT81 SPECIFICATION

VIDEO
- Connections: 1 input, 1 output - both BNC
- Format: Composite Video 75Ω 1V$_{pk-pk}$, CCIR 625-line 50HZ.

TELEMETRY METHOD
- Method: Coaxial (FSK carrier transmitted during vertical blanking) or twisted pair 1200bps.
- Compatibility: Baxall system.

TELEMETRY FUNCTIONS
- See TT88 specs.

POWER
- See TT88 specs.

POWER ADAPTOR
- See TT88 specs.

DIMENSIONS (mm)
- See TT88 specs.

Nortek has a policy of continuous development and reserves the right to alter specifications without notice.