LITTLE BROTHER
LB200

PICTURE SIMULATED

- ☐ TELEMETRY CONTROLLED PICTURE-IN-PICTURE
- ☐ EXPANDS TELEMETRY SYSTEM WITHOUT ADDITIONAL RECEIVERS
- ☐ LOW COST INSTALLATION

Installers and operators of CCTV systems, particularly those in town and city centres, are faced with the persistent difficulty in the selection of positions for bracket or post mounted pan/tilt/zoom cameras.

With the relatively high cost of such installations, in particular the fibre optic or microwave links back to the control position, it is almost always the case that an optimum position is chosen which gives the best selection of views in that locality.

There is however almost always a blind spot, an alley, back lane or building recess to which the local hooligans will migrate. Under these circumstances it is usually extremely difficult to justify the cost of installing another fully functional camera and link.

This is where the LB200 'Little Brother' unit offers a simple low cost solution. 'Little Brother' consists of a mains powered unit contained within an ABS plastic box for installation within a camera control equipment kiosk, or if necessary the unit can be supplied complete with its own weatherproof cabinet.

Once installed and connected to a mains supply the 'Little Brother' unit accepts the video input from both the pan, tilt and zoom camera and a second 'Little Brother' camera mounted nearby and then feeds a video signal out via the transmission circuit to the system control position.

The only other connection is a two wire link to the telemetry site receiver where the LB200 is connected to a non-latching, voltage free auxiliary output which is itself activated by a dedicated auxiliary function key on the system control keyboard.

Once the PTZ camera position is selected for viewing, momentary operation of the auxiliary function key offers a choice of the following views on the monitor screen:

1. A full screen real - time analogue image from the PTZ camera.
2. A full screen real - time analogue image from the 'Little Brother' camera.
3. A scaled image comprising the full screen display of the PTZ camera with the 'Little Brother' camera inserted 'picture in picture' in one corner.
4. A scaled image comprising the full screen display of the 'Little Brother' camera with the PTZ camera inserted 'picture in picture' in one corner.

The choice of camera to be used with the LB200, whether fixed or panning, is at the discretion of the installer as is the method by which the LB200 picture can be transmitted back to the main camera location such as coax, twisted pair, radio link, fibre optic etc……

Because of it's parasitic nature 'Little Brother' can also be used to extend telemetry systems which are considered to be operating at full capacity. If additional cameras are required, and an auxiliary non-latching function is available, cameras may be piggy-backed onto existing fully functional cameras without the need to upgrade the transmitter or adding more receivers.

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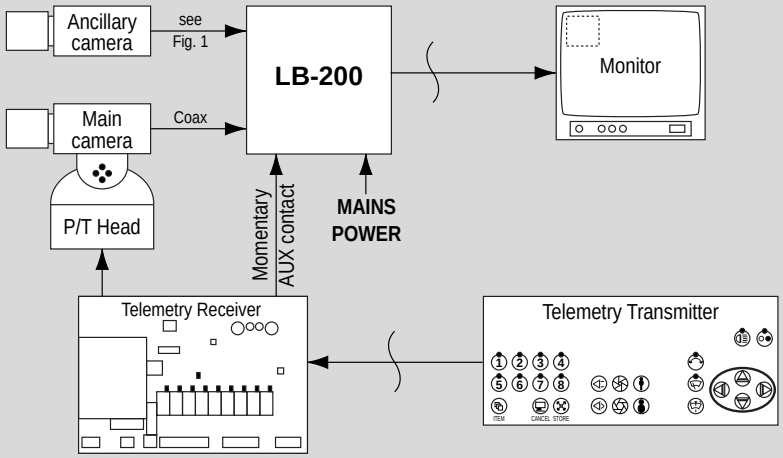
LITTLE BROTHER LB200

Twisted Pair, microwave, etc. Telemetry



Coaxial Telemetry

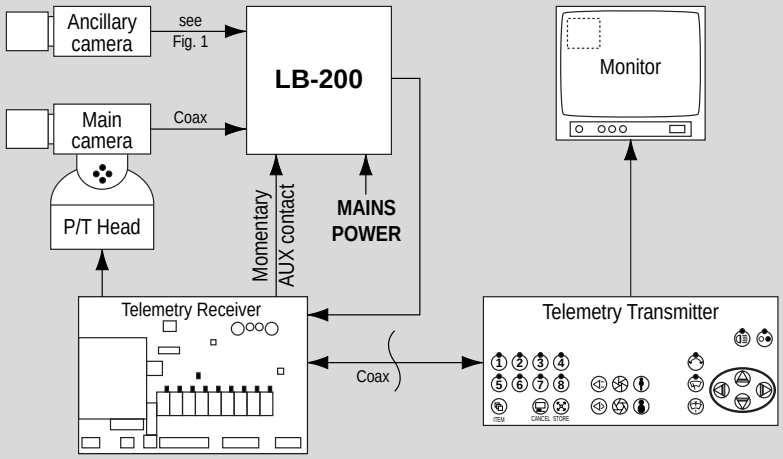
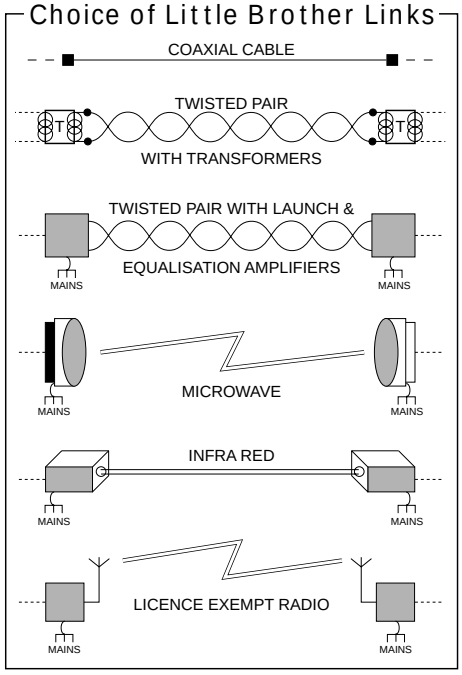


FIG. 1

Choice of Little Brother Links



NOTE:- ON SYSTEMS USING "ADDRESSABLE" TELEMETRY RECEIVER AND PROGRAMMABLE MATRIX THE LITTLE BROTHER CAMERA CAN BE UPGRADED TO A FULL PTZ CAMERA WITH ITS OWN TELEMETRY RECEIVER.

SPECIFICATION

Video

• Camera Inputs:	Main camera, ancillary camera.
• Video Outputs:	One
• Format:	Composite video 75Ω 1$V_{pk-pk;}$ CCIR 625-line 50Hz.

Control Mechanism

• External Contact:	Floating, volt free, maximum loop resistance 300Ω.
• Function:	Each contact closing edge switches the display state.
• Display States:	Main only, ancillary only, main + inset-ancillary, ancillary + inset-main

Inset

• Screen area:	1/3 x 1/3 approx.
• Method:	Scaled digital image; 220 x 100 pixels; 50 fields/sec

Power

• Supply Requirements:	230Vac, <30W

Dimensions (mm)

• L x W x H:	245 x 195 x 95mm

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