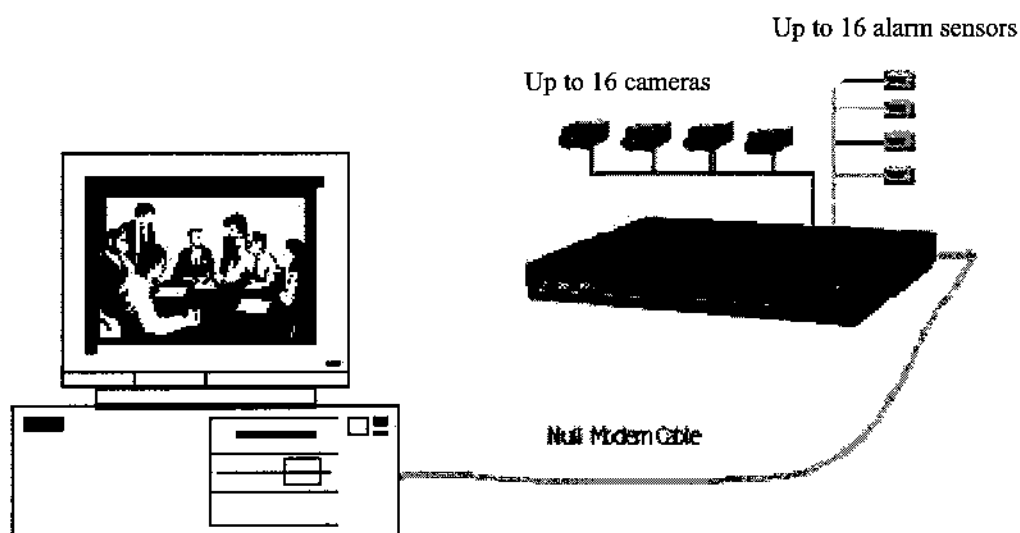


Technical Description of TeleEye Pro PTA16-B1 & PTA16-C1

TeleEye Pro PTA16-B1 & PTA16-C1 are advanced video monitoring systems that can support up to 16 video sources, 16 alarm inputs and 2 output switches. The video sources are multiplexed and then converted to digital signal through a A/D converter. The digital signal is then processed by a digital signal processor and is compressed using interframe technology. The compressed signal is transmitted to a IBM compatible PC through a UART and a custom designed null modem cable. The reception software receives and decodes the compressed data and sends the video to screen.

The system configuration is as follow:



The pin definitions of a DB-9 (female) to DB-25 (female) or DB-9 (female) to DB-9 (female) null modem cable is shown below:

<i>TeleEye Pro</i>				PC	PC
Transmission Unit				DB25	DB9
2	RXD	↔	TXD	2	3
3	TXD	↔	RXD	3	2
1	CD	↔	DTR	20	4
4	DTR	↔	CD	8	1
5	GND	↔	GND	7	5
7	RTS	↔	CTS	5	8
8	CTS	↔	RTS	4	7