

Proposal for protocol exchange

Issues: 1. Backward compatibility

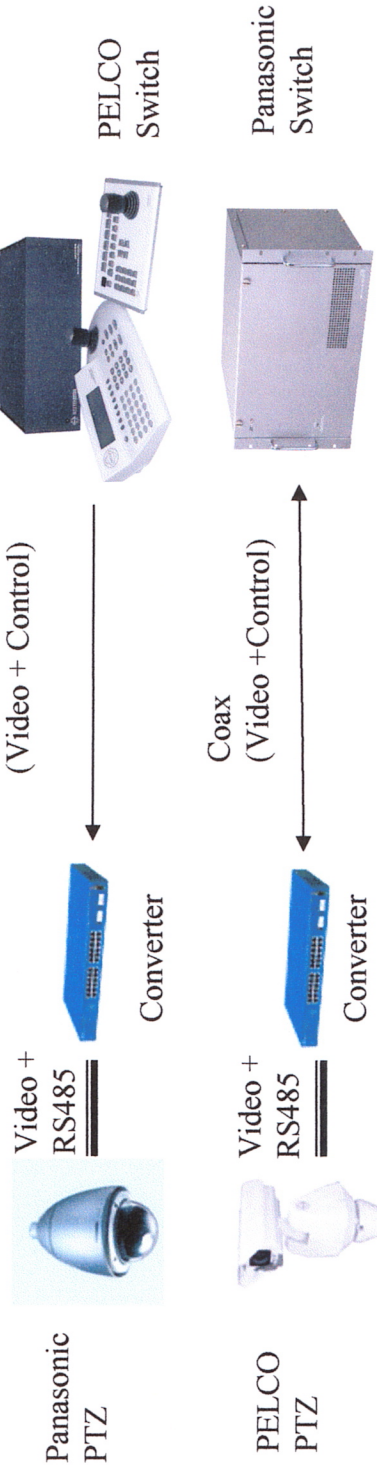
2. Development Step

3. Development Cost,

4. Development Schedule

Phase 1: Protocol compatibility with RS485

Phase 2: Converter



Phase3: Protocol compatibility with Coaxial cable

Confidential

Panasonic up-to Coax Signal timing

FIG. 2A

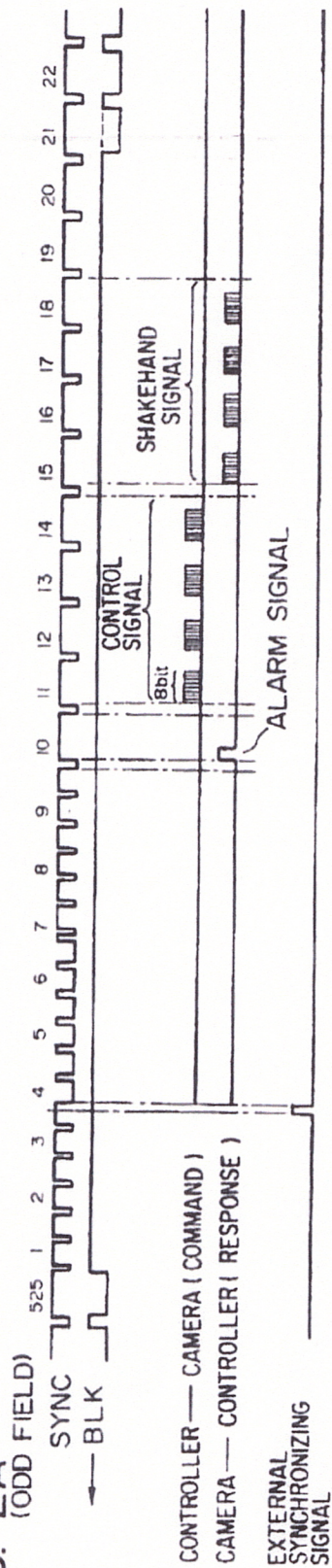
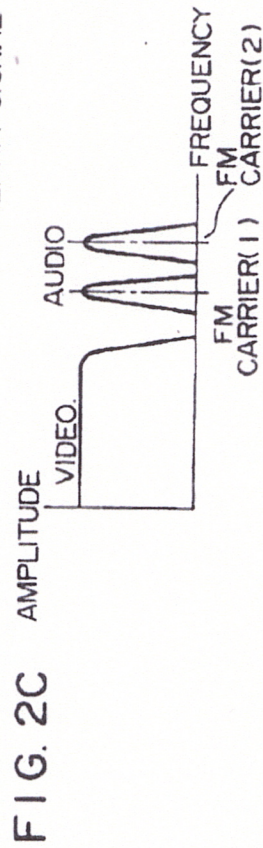
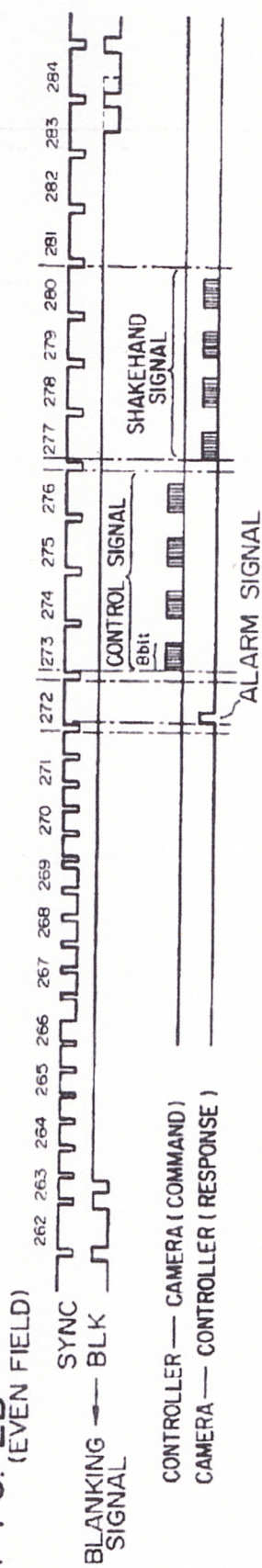
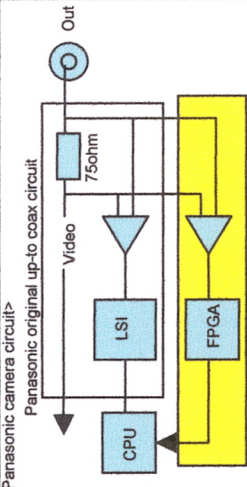
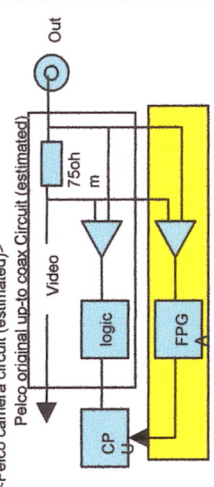
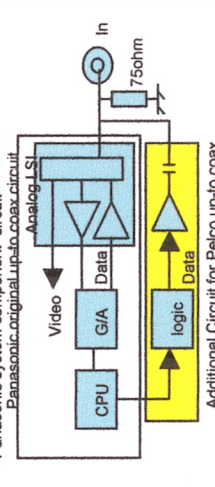
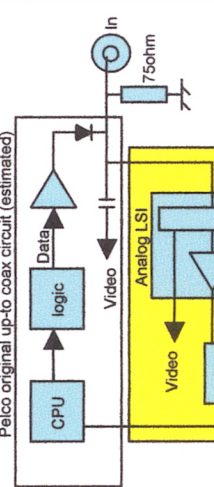


FIG. 2B



Up-to Coax compatibility study

Item	Responsible	Content	Circuit example	Target Products
1	Panasonic	-Add gate logic circuit into Panasonic camera for Pelco coax signal acquisition. (can not receive signal by software because camera CPU is not powerful enough.) -Software modification for Pelco protocol support	 <Panasonic camera circuit> Panasonic original up-to coax circuit Additional Circuit for Pelco up-to coax	CS954 CW964 CP484 CW484
2	Pelco	-Need to add logic circuit for Panasonic data acquisition. -Software implementation for Panasonic protocol support. (Bi-directional sequence required)	 <Pelco original up-to coax circuit (estimated)> Additional Circuit for Panasonic up-to coax	Pelco Esprit series Spectra series
3	Panasonic	-Need to add logic circuit for Pelco up-to coax signal onto control products. -Software implementation for Pelco protocol support and menu..	 <Panasonic system component circuit> Panasonic original up-to coax circuit Additional Circuit for Pelco up-to coax	Matrix Switcher DVR Multiplexer Encoder
4	Pelco	-Need to add circuit like Panasonic up-to coax circuit -Software implementation for Panasonic protocol support. (Bi-directional sequence required)	 <Pelco system component circuit (estimated)> Pelco original up-to coax circuit (estimated) Additional Circuit for Panasonic up-to coax	Pelco Matrix Switcher DVR Multiplexer Encoder