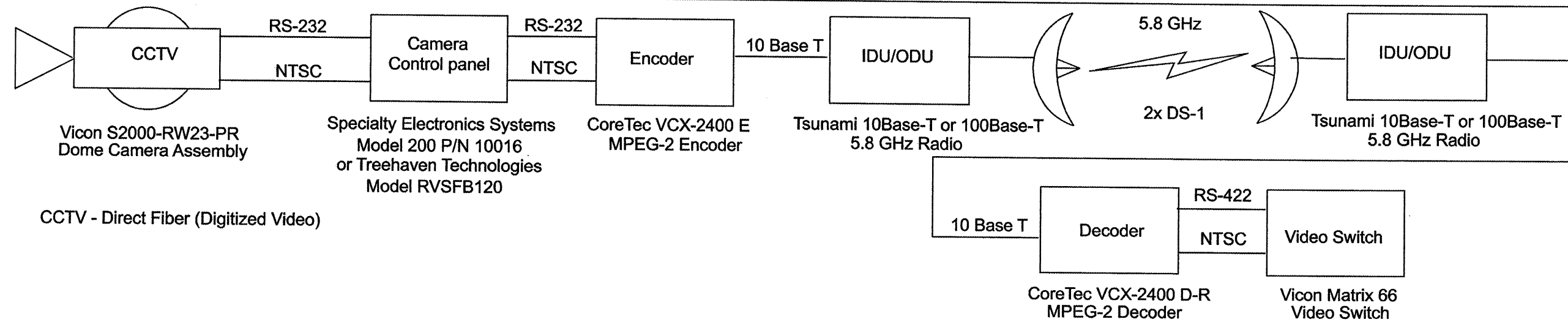
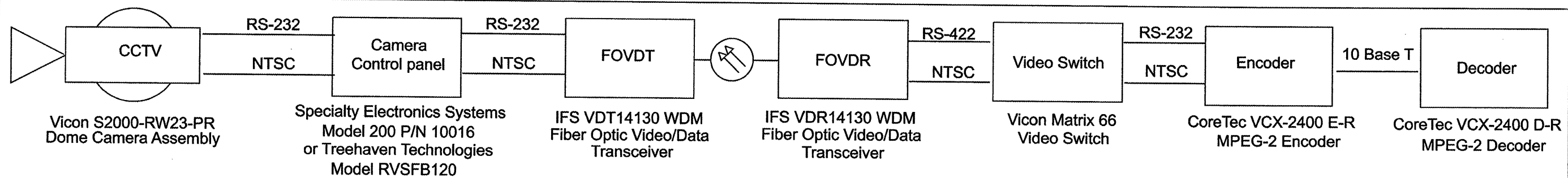


CCTV - Wireless (Digital Video) Model

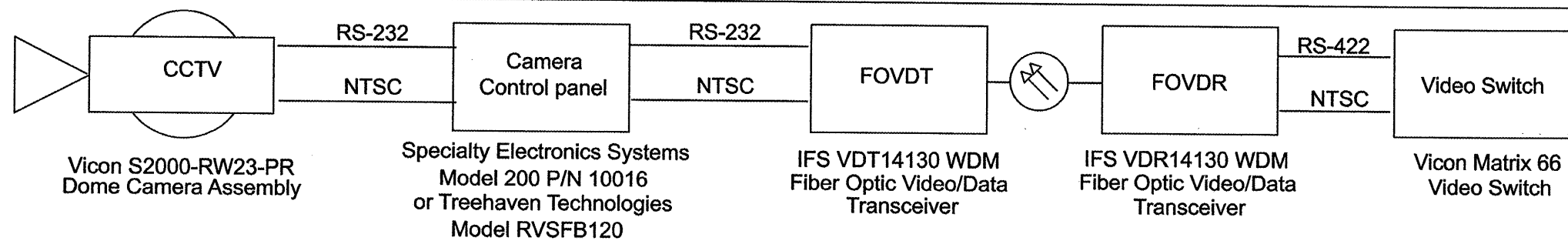


CCTV - Direct Fiber (Digitized Video)

CCTV - Direct Fiber (Digital Video) Model



CCTV - Direct Fiber (Analog Video) Model



The camera control subsystem consists of four functional components: the video switch, the switch controller, the camera controller, and the joystick controllers.

Video switch: The existing video switch is a Vicon Matrix 66 high density video switching system. The purpose of the video switch is to electrically connect one or more output ports on the switch to an input port, under software control.

Video switch controller & camera controller: The video switch controller is comprised of two main items: an existing Vicon V1500CPU (Central Processing Unit) video switch processor and the existing Vicon V1500CDU (Communication Distribution Unit). The purpose of the switch controller is to accept commands from the user and configure the video switch to connect specific video inputs to specific video outputs. The purpose of the camera controller is to convert inputs from the operators to commands that are transmitted concurrently to the camera control receivers over low-speed data, multi-point circuits.

Joystick controllers: The existing joystick controller is a Vicon V1411X-DVC keypad controller. The purpose of the joystick controller is to allow users to control the video selection and control the camera pan/tilt/zoom (PTZ) orientation from remote locations via RS-422 communications.

Closed Circuit Television (CCTV) Camera: The system consists of twenty-five (25) permanent PTZ CCTV cameras installed in the field. The CCTV camera is a Vicon S2000-RS23-PR pressurized dome camera assembly. At each of the field locations, a Specialty Electronics Systems Local Camera Panel model 200 P/N 10016 or Treehaven Technologies, Model RVSFB120 is installed for combining camera video, control and power.

Video encoder/decoder: The existing video encoder is a Cortec VCX-2400-E and the existing video decoder is a Cortec VCX-2400-D. The purpose of the video encoder/decoder is to encode/decode video streams using MPEG-2 video compression.

FILE NAME =	USER NAME = #USER*	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CAMERA CONTROL CCTV CAMERA CONTROL MODEL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	
*FILE#		DRAWN - ---	REVISED - ---			74	D4 I-74 ITS SYSTEM-2	Peoria/Tazewell	20	5
PLOT SCALE * #SCALE*		CHECKED - ---	REVISED - ---			CONTRACT NO. 68273				
PLOT DATE * #DATE*		DATE - -----	REVISED - ---			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				