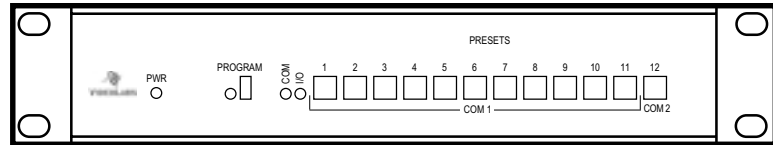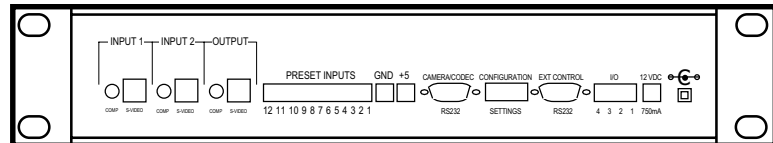# CamCOMMAND™

Pan/Tilt/Zoom Camera Control System

VideoLabs' CamCOMMAND is the controller for an automated camera positioning system. The CamCOMMAND works in conjunction with a microphone switcher, microphones, PTZCam and display/distribution systems. By communicating with these devices, the CamCOMMAND is able to position a camera on different areas of a room relating to individual microphones.

CamCOMMAND front panel

CamCOMMAND back panel

After the presets are programmed, the CamCOMMAND will properly position an attached camera without user intervention.

System Options

The following are the three most common setups. They are not the only possible configurations, but are the most common.

• Standard Setup – The standard setup uses a CamCOMMAND, a microphone mixer, a PTZCam and a video display or video codec. This setup will allow a fully automated room positioning system utilizing a single PTZCam with up to 11 preset camera positions. A second PTZCam or video source can be switched to using preset 12, but it will not be motion controlled by this system. If the camera output will only be shown locally, a monitor with Composite Video or S-Video input will complete the system. If the video needs to be shown in other locations, the video output needs to be connected to a videoconferencing codec or video distribution system.

• Daisy-Chain – The Daisy-Chain setup allows multiple PTZCam auto-positioning systems to work together; where the output video will automatically switch to the active camera. Each additional PTZCam, CamCOMMAND and microphone switcher will add 11 possible presets. Multiple basic setups are connected together through the daisy-chain port and output video is connected to the next CamCOMMAND video input 2. The final CamCOMMAND video output is connected to a videoconferencing codec, local display, or video distribution system.

• Polycom® VS4000 – The Polycom VS4000 setup uses the codec to store preset information and allows near/far-end control of two cameras, and only one CamCOMMAND is needed to auto-position both cameras. This setup uses a CAMCOMMAND, a microphone mixer, two PTZCams, two Interceptor 1000s, and a Polycom VS4000 with support equipment. Since the presets in Polycom mode are stored in the Polycom VS4000 and not in the camera, daisy-chain operation is not possible when using the Polycom VS4000 to store presets.

Program Features

• Switching Delay Settings – Both the camera switching delay and the video switching delay can be programmed to select the appropriate delay time before switching to the default position or another camera. The settings are 2.5, 5 and 10 seconds. There is also an OFF position which turns off the default position function.

• Preset View Default Preference – Preset 1 on audience camera becomes the default position.

• Presenter Camera Preference – Automatically switches to presenter camera after the audience PTZCam preset view is complete.

• Crestron® or AMX® Controllable – The CamCOMMAND allows RS-232 control through the external control port.

Technical Specifications

Serial Communication	Data Rate: 9600, 8N1 Pass-through, Control, and Output
Video Input	S-Video and Composite
Video Output	S-Video and Composite
Switcher Input Connector	– 12 pin, 5mm Connector (11 presets, one video switcher)
	– 2 pin, 5mm Connector (ground)
	– 2 pin, 5mm Connector (+5 VDC)
	– 4 pin, 5mm Connector (Daisy-chain port)
Weight	3.54lbs/1.6kg
Dimensions	
Depth	6.25"/15.9cm
Width	16.75"/42.6cm
Height	1.75"/4.45cm
Power Supply	12 VDC, 750mA

Included Accessories

• Rack mount ears
• Power supply

Standard setup

CONTROL SYSTEM

RS232

MICROPHONES

CamCOMMAND

MIC SWITCHES

MIC MIXER

VIDEO

RS232   VIDEO

VIDEO

MIXED AUDIO

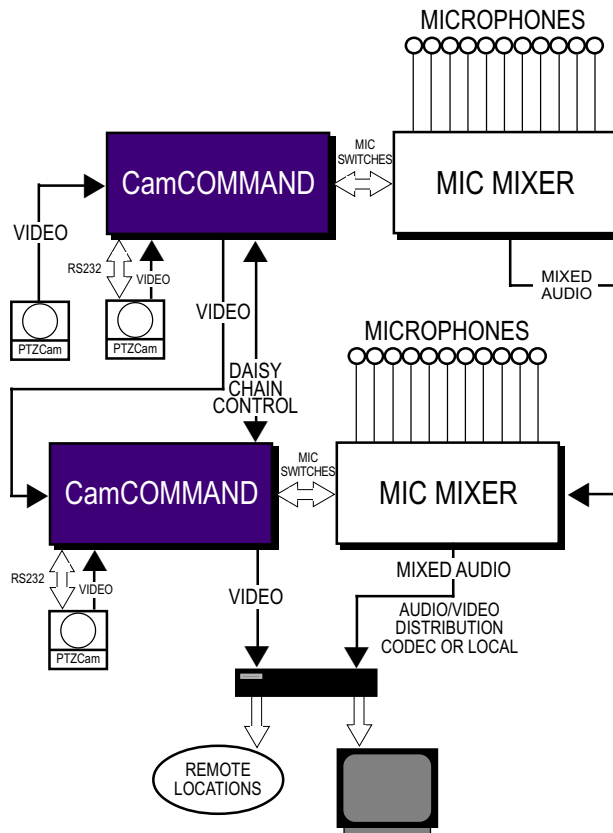PTZCam

PTZCam

AUDIO/VIDEO DISTRIBUTION CODEC OR LOCAL

REMOTE LOCATIONS

Polycom setup
- Near and far end control of two cameras
- Ten presets can be mixed between cameras

MICROPHONES

CamCOMMAND

MIC SWITCHES

MIC MIXER

MIXED AUDIO

RS232

FAR SITES

VS4000

VIDEO

AUDIO

INTERCEPTOR 1000

INTERCEPTOR 1000

VIDEO

VIDEO
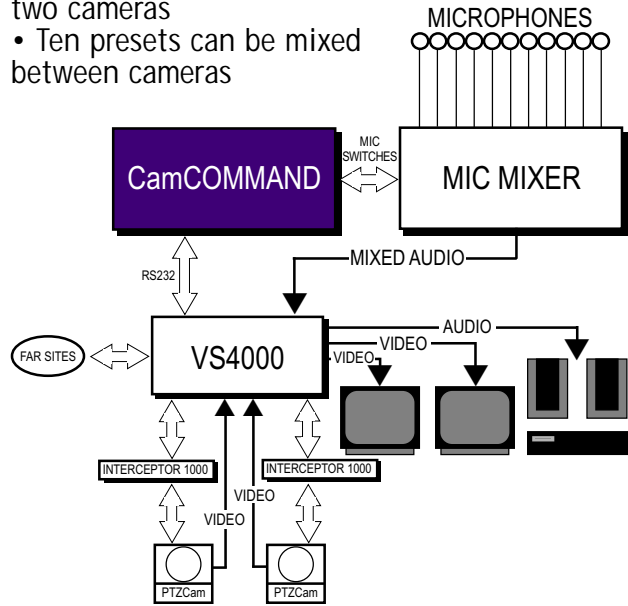
PTZCam

PTZCam

Daisy-chain setup
- Each CamCOMMAND controls a PTZCam
- Video automatically switches to active device

MICROPHONES

CamCOMMAND

MIC SWITCHES

MIC MIXER

VIDEO

RS232   VIDEO

VIDEO

MIXED AUDIO

PTZCam

PTZCam

DAISY CHAIN CONTROL

MICROPHONES

CamCOMMAND

MIC SWITCHES

MIC MIXER

RS232   VIDEO

VIDEO

MIXED AUDIO

PTZCam

AUDIO/VIDEO DISTRIBUTION CODEC OR LOCAL

REMOTE LOCATIONS

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