

A & E Specification

PCC Premier

Precision Camera Controller

Local RS-232 and Virtualized IP Camera Control

North America: 999-5750-000

International: 999-5750-001

Description

The Precision Camera Controller shall be designed for use in live production events, remote studios, network operations centers (NOCs), and technical operations centers (TOCs).

The Precision Camera Controller shall provide eight RS-232 connections to attach cameras directly. In addition, the camera controller shall provide virtualized control over the IP network for up to 80 IP-capable cameras. The Precision Camera Controller shall provide an HDMI output to monitor the camera that it is actively controlling.

At any given time, the Precision Camera Controller shall give the operator control over two groups of eight cameras each, selected from an address book of up to 88 cameras total.

The Precision Camera Controller shall support PoE+ Gigabit Ethernet.

The Precision Camera Controller shall be compatible with Vaddio and other PTZ cameras. (Check with Vaddio for compatibility.)



Controls and Configuration

The Precision Camera Controller shall provide:

- Three-axis Hall Effect joystick
- Pan, tilt, and zoom speed control knobs
- Illuminated pushbuttons for camera selection
- Large knobs for fine focus control and menu navigation, with push-to-select function
- Full camera image controls via easy-to-read 7 in. touch-panel interface

The Precision Camera Controller shall support inversion of joystick pan and tilt response.

The Precision Camera Controller shall provide a web-based graphical user interface for full administrative control of the camera controller. The web interface shall be accessed through commonly used web browsers. Chrome®, Firefox®, Safari®, Internet Explorer®, and Microsoft® Edge shall be explicitly supported.

The Precision Camera Controller shall provide a command line API that can be accessed via Telnet session.

Installation Requirements

The Precision Camera Controller shall be designed to be powered over the IP network by Power over Ethernet (PoE+) using a PoE+ capable switch or mid-span power injector. A power injector with AC cord set(s) shall be supplied with the Precision Camera Controller. A Cat-5e Ethernet patch cable, length 10 ft (3 m) shall be supplied with the Precision Camera Controller.

The Precision Camera Controller shall use standard Cat-5e or better cables made to the EIA/TIA 568B standard for network and RS-232 serial connections. Maximum cable length for RS-232 cables shall be 500 ft (152 m).

Specifications

Camera Management and Video Output

Control via RS-232	Up to 8 cameras 1 address book group	Control via IP network	Up to 80 cameras 10 address book groups
Image Control Parameters	<ul style="list-style-type: none"> ■ Iris, Iris Gain ■ Backlight compensation ■ Red Gain, Blue Gain ■ Detail, Chroma, Gamma ■ Auto White Balance/One-Push White Balance 	HDMI Output IP streaming decoder: H.264 Protocol : RTSP Supported HDMI display resolutions: 1080p/60, 1080p/50, 720p/60, 720p/50	

Hardware

System I/O	<ul style="list-style-type: none"> ■ 8 RS-232 camera control ports on RJ-45 connectors ■ Gigabit Ethernet port with PoE+ support ■ HDMI output
Control console	<ul style="list-style-type: none"> ■ 7" capacitive touch panel display – Camera presets and administrative menu ■ Illuminated rotary knobs – Focus (control, auto/manual) and Menu (display panel navigation) ■ Rotary knobs – Pan, tilt, and zoom speed ■ Illuminated pushbuttons – Group A and Group B camera selection ■ 3-axis Hall effect joystick, single-button – Pan, tilt, and zoom

Power, Physical and Environmental

Power Requirements	PoE+ (Power over Ethernet)	Power Consumption	< 25W
Height	5.125 in. (12.6 cm)	Operating temperature	0° to +40°C (32° to 104°F)
Width	17 in. (43.2 cm)	Operating humidity	20% to 80% RH
Depth	11 in. (27.9 cm)	Storage temperature	-5° to +60° C (23° to 140°F)
Weight	7.0 lb (3.18 kg)	Storage humidity	20% to 80% RH

Specifications are subject to change without notice.

