

**SIMPLWINDOWS
NAME:**

Panasonic AW-PH300A PanTilt Head with Camera

CATEGORY:

Camera

VERSION:

1.0

SUMMARY:

Allows three speed selections (SLOW, MEDIUM, and FAST) for control of basic pan/tilt/focus/zoom functions. Also provides for 30 presets, the maximum specified in latest protocol manual provided to Crestron. By default, iris control is automatic. However, if desired, the module allows the option of manual iris control.

GENERAL NOTES:

The Zoom Lens must be installed on the Convertible Camera in accordance with Panasonic Operating Instructions. Likewise, the camera assembly must be mounted on the Pan/Tilt Head, with the appropriate control cables as illustrated in the Pan/Tilt Head instructions (there is also a cable that connects the lens directly to the Pan/Tilt Head). Cable connectors should not be forced; improper cable connection may result in damage to the camera system.

Power is supplied by a Panasonic AW-PS300 AC Adapter. Activate the power switch on the AC Adapter only after all connections have been made.

Carefully follow all instructions in the Pan/Tilt Head manual. Important details include diagrams for the mounting plate position, dip switch settings for the two mounting options (upright or suspended), a switch for a Cable Compensation Circuit, and chain attachment instructions. Proper operation of the camera system depends on all of these factors. The camera may easily be damaged if not mounted correctly.

If it appears that UP and DOWN (or LEFT and RIGHT) are reversed, check your switch settings as specified in the Pan/Tilt Head manual.

Upon powerup of the Crestron system, MEDIUM speed will be selected by default.

You must select a preset mode (SET or RECALL) before activating a Preset button. If SET is selected, then every corresponding momentary Preset input will store the pan/tilt/focus/zoom position of the camera at that particular preset number. If RECALL is selected, then every corresponding momentary Preset input will recall the respective pan/tilt/focus/zoom position of the camera. This module provides access to 30 presets.

To store a preset, first pulse the SAVE input. SAVE_FB will go high. Then press the preset to store the location into. This will end save mode, and will store the preset. To recall a preset, just press the desired preset while the module is not in save mode.

By default, the camera will operate in an Auto Iris mode. Manual control of Iris is possible if the MANUAL-IRIS input is selected. After selecting this input, the IRIS-OPEN and IRIS-CLOSE inputs will become operational. These two inputs will stay operational until the AUTO-IRIS input is selected.

Note that all digital inputs to this module should be momentary, (as if coming from a button on a touch panel), or 0.

**CRESTRON
HARDWARE**

2-Series Processor
C2COM-3

REQUIRED: CNMSX
CNXCOM
ST-COM

SETUP OF CRESTRON HARDWARE: The port should be set as follows:

Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: None

The baud rate can be changed using on-screen menus but it is recommended to keep the baud rate at the default factory setting of 9600.

CABLE NUMBER: You MUST use the Panasonic AW-CA28T9 RS-232C Cable (sold separately). This cable has a DB9 connector at one end (to connect to the Crestron control system), and two connectors at the other end to interface with the Panasonic Pan/Tilt Head (one BNC type and one 28-pin Bellows type).

CONTROL:

POWER-ON/OFF	D	Turns power to camera system on or off
POWER-TOGGLE	D	Toggles power state on each successive press
SLOW/MEDIUM/FAST	D	Selects speed for pan/tilt/focus/zoom commands
ZOOM-IN/OUT	D	Press to activate zoom, release to stop
FOCUS-FAR/NEAR	D	Press to activate focus, release to stop
PAN-LEFT/RIGHT	D	Press to activate pan, release to stop
TILT-UP/DOWN	D	Press to activate tilt, release to stop
IRIS-MANUAL/AUTO	D	Select manual or auto iris (default is auto)
IRIS-OPEN/CLOSE	D	Press and hold to activate manual iris control
SAVE	D	Puts the module into preset store mode
PRESET-*	D	If pressed while store mode active - will store a preset. If pressed while RECALL mode active - will recall a preset

FEEDBACK:

SLOW/MEDIUM/FAST_FB	D	Indicates which speed has been selected
SAVE_FB	D	Indicates preset storage mode selected
IRIS-MANUAL/AUTO_FB	D	Indicates whether iris manual or auto mode has been selected
To_Device\$	S	Serial signal to be routed to a RS-232 port

OPS USED FOR TESTING: 3.015

COMPILER USED FOR TESTING: SimplWindows Ver 2.03.12

SAMPLE PROGRAM: Panasonic AW-PH300A PanTilt Head Demo

REVISION HISTORY:

None