

HD CTL 100

WORKSPACE AUTOMATION CONTROLLER



The Extron **HD CTL 100** is a low-cost, easy-to-use workspace automation controller designed for automated display control in small meeting rooms and huddle spaces. It offers effortless Plug and Play automation, with no remotes to lose and no buttons to press. When an active signal is connected to the HDMI input, the HD CTL 100 automatically turns on the display and selects the correct input via CEC control. For further flexibility, the unit easily integrates with the Extron OCS 100 occupancy sensor to automatically power the system on when users enter the room.

- ▶ **Easy automation for the modern workspace:**
 - Plug and Play
 - No remotes to lose
 - No buttons to press
- ▶ **Automated display control via unidirectional RS-232, IR, or CEC**
- ▶ **Supports computer and video resolutions up to 4K/60 @ 4:4:4**
- ▶ **Fully-configurable using HD CTL 100 Software**
- ▶ **Four digital I/O ports**
- ▶ **24 V DC output to power devices such as occupancy sensors**
- ▶ **One HDMI input port and one HDMI output port**
- ▶ **CEC – Consumer Electronics Control capability**

DESCRIPTION

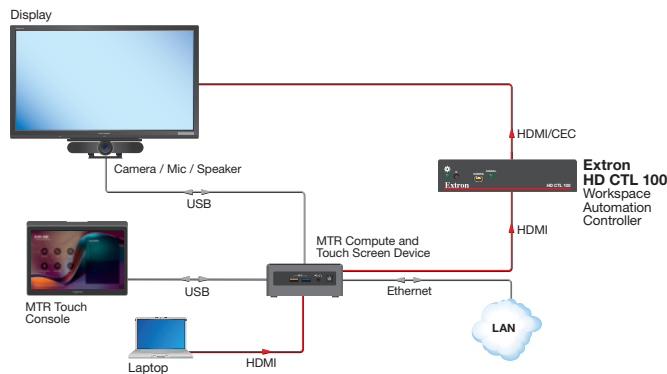
The **HD CTL 100** is designed for low-cost, effortless collaboration in small meeting rooms and huddle spaces, and is fully operational out of the box. The meeting space controller automatically powers a display on via CEC – Consumer Electronics Control when the presenter connects a source device. When finished and no signal is detected, the display will power off after a predetermined time period.

For further flexibility, the unit easily integrates with the Extron OCS 100 occupancy sensor to automatically power the system on when users enter the room. The HD CTL 100 also enables a one-touch meeting experience in rooms equipped with Extron collaboration partner solutions, such as those offered by Microsoft, Poly, Zoom, and others.

KEY FEATURES

- ▶ Automated display control via unidirectional RS-232, IR, or CEC
- ▶ Supports computer and video resolutions up to 4K/60 @ 4:4:4
- ▶ Four digital I/O ports
- ▶ 24 V DC output to power devices such as occupancy sensors
- ▶ One HDMI input port and one HDMI output port

APPLICATION DIAGRAM



SPECIFICATIONS

TRUE 4K SPECIFICATION

Max 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz 4096 x 2160 at 30 Hz 3840 x 2160 at 30 Hz	4:4:4	8 bit
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz	4:2:0	12 bit
Frame rate ¹	24, 25, 30, 50, or 60 fps	
Chroma sampling ¹	4:4:4, 4:2:2, or 4:2:0	
Color bit depth ¹	8, 10, or 12 bits per color	
Signal type	HDMI 2.0	
Max. video data rate	18 Gbps (6 Gbps per color)	

CONTROL – IR/SERIAL CONTROL PORT

IR/S control port	(1) 3.5 mm captive screw connector, 2 pole, for unidirectional (transmit only) RS-232 and IR control
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CONTROL – CEC

HDMI Connector	1 female HDMI, type A CEC control via pin 13
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CONTROL – DIGITAL INPUTS AND OUTPUTS

Number/type	4 digital inputs/outputs (configurable)
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+V OUTPUT

+24 V output port	(1) 3.5 mm captive screw connector, 2 pole
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COMMUNICATION – CONFIGURATION PORT

USB configuration port	1 female USB mini B, front panel
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VIDEO

HDMI input Connector	1 female HDMI, type A
Horizontal frequency	15 kHz to 270 kHz (for resolutions up to 18 Gbps)
Vertical frequency	24 Hz to 240 Hz (for resolutions up to 18 Gbps)
HDMI output Connector	1 female HDMI, type A

GENERAL

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 0.5 A, 6 watts
Mounting	Rack mount: Yes, with optional 1U rack shelf Furniture mount: Yes, with optional under-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	1.0" H x 4.3" (quarter rack) W x 3.0" D (25 mm H x 109 mm W x 76 mm D)
Regulatory compliance	CE, c-UL, UL, KC, PSE, RoHS, and WEEE
Product warranty	3 years parts and labor
Everlast power supply warranty	7 years parts and labor

NOTE: All nominal levels are at ±10%.

Model	Version Description	Part number
HD CTL 100	Automation Controller	60-1633-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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www.extron.com