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iMedia Wall Plate Computer & Video Center: IM-WCCV-M

Introduction

Features and Functions

- A simple, affordable wall plate multimedia interface
- Streamlined user controls for foolproof operation
- iMedia transport for fast and easy single cable installation
- Supports XGA resolution up to 84 feet (25.6 meters), UXGA maximum up to 34 feet (10.4 meters)
- Supports composite video signals
- Complete system setup in minutes using iMedia Wizard software

The iMedia Transport

The iMedia (IM) transport utilizes a single CAT5e* type cable to transmit computer RGB, video and stereo audio signals to a single projector or plasma display. A typical XGA signal (1024 x 768 pixels at 60 Hz) can be transmitted up to 84 feet (25.6 meters) using iMedia, while higher resolutions up to 1600 x 1200 can be handled over shorter distances. Audio is transmitted digitally at 20-bit, 48 kHz resolution. Control and power signals are also contained on the same wire, eliminating the need for separate control or power cables.

* For optimum performance, Crestron strongly recommends using CRESCAT-IM cable, available from Crestron. Other high quality, low skew (15 ns per 100 m maximum) CAT5e/CAT6 wiring may also be used with varying performance.

Wall Plate Multimedia Interface

The IM-WCCV-M is an iMedia transmitter designed to install in a standard three-gang electrical box, providing composite video, RGB and stereo audio inputs for connection to the output of a computer or AV source. Installing wiring for the IM-WCCV-M is extremely simple requiring just a single CrestCAT-IM cable for audio and video. Up to three IM-WCCV-Ms or other IM transmitters may be installed as part of a complete system to provide multiple input locations within the room.

Foolproof Operation

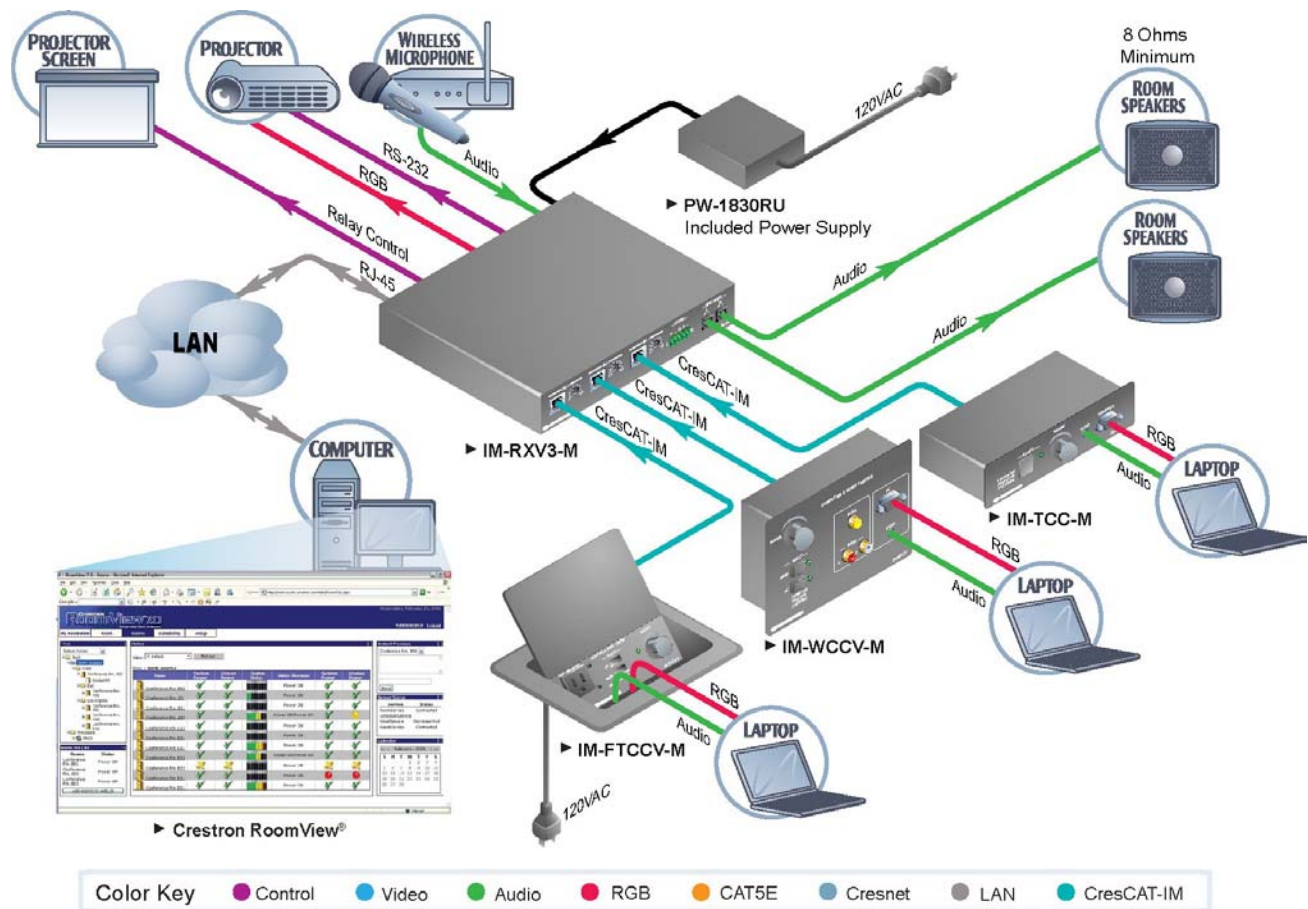
Every iMedia system is easy and intuitive to use. A single press of the **VIDEO** or **PC** buttons on the face of the IM-WCCV-M selects the appropriate input, lowers the screen or lift, turns on the projector (or plasma, etc.) and routes all the signals where they need to go. The front panel volume control affords easy adjustment of the audio level or wireless microphone level and the entire system can be turned off at any time by simply holding down either button for five seconds.

For systems having more than one IM transmitter, selecting an input at a given input location overrides the previously selected input at any other location. The audio level for each input location is controlled individually by its respective volume control.

Applications

The IM-WCCV-M is an IM transmitter. As shown in the following diagram, IM transmitters provide input points for video and PC sources on an IM receiver.

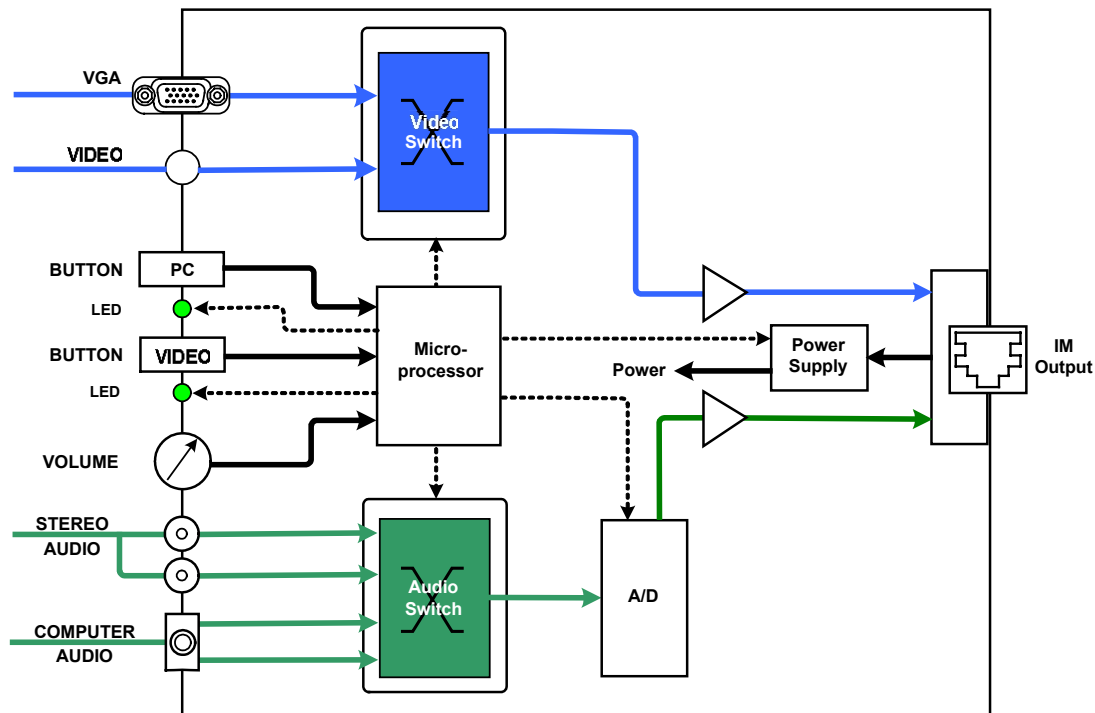
iMedia System Diagram



Internal Block Diagram

The following diagram represents the signal routing and functions of the IM-WCCV-M.

Internal Block Diagram of the IM-WCCV-M



Specifications

Specifications for the IM-WCCV-M are listed in the following table.

IM-WCCV-M Specifications

SPECIFICATION	DETAILS
RGB	
Gain	0 dB (75 Ω termination)
Formats	RGBHV, RGBS or RG _s B
Resolution	1024 x 768 @ 60 Hz with maximum cable length of 84 feet, 1600 x 1200 @ 60 Hz with maximum cable length of 34 feet; refer to "IM Wiring" on page 8 for other resolutions
Video	
Gain	0 dB (75 Ω termination)
Formats	480i (NTSC), 576i (PAL)
Audio	
A-D Conversion	20 bit, 48 kHz
Frequency Response	20 Hz to 20 kHz ± 1 dB
Power Requirements	Power is provided by the IM receiver via the IM transport

(Continued on following page)

IM-WCCV-M Specifications (Continued)

SPECIFICATION	DETAILS
Environmental	
Temperature	41° to 104°F (5° to 40°C)
Humidity	10% to 90% RH (non-condensing)
Enclosure	Three-gang wall plate, mountable in a 2.5 in (6.35 cm) deep electrical box; NOTE: Conduit must enter box via top or bottom knockouts only
Dimensions	
Height	4.50 in (11.43 cm)
Width	6.36 in (16.16 cm)
Depth	2.95 in (7.48 cm)
Weight	1.29 lbs (0.58 kg)

Physical Description

This section provides information on the connections, controls and indicators available on your IM-WCCV-M.

IM-WCCV-M Physical View

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/748000115054006073>