

Intercom Video Distribution Switcher **C2N-IVDS24X24**

The C2N-IVDS24X24 Intercom Video Distribution Switcher provides a convenient facility for the distribution of security cameras and other video sources throughout the home or office over inexpensive CAT5E cable. A perfect companion to the C2N-IADS30X24 Intercom Audio Distribution Switcher, the C2N-IVDS24X24 distributes video signals to up to 16 touchpanels from any of 16 cameras and 8 video door stations. It also integrates with Crestron's CNX-PVID8X3 and CNX-PVID8X4 Video Distribution Switchers to allow extensive sharing of video resources among touchpanels and television monitors.

The C2N-IVDS24X24 is built around a fully programmable 24 X 24 video crosspoint matrix, providing the complete freedom to route any input to any output. Sixteen unbalanced composite inputs are provided to accept video signals from cameras and other video sources. In addition, 8 CAT5 video inputs accommodate the balanced signals from up to 8 video door stations. Door station and entry gate cameras are easily implemented using the C2N-IIF Intercom Interface (sold separately).

A total of 16 CAT5 balanced video outputs are provided to support up to 16 touchpanels. Crestron offers numerous touchpanel models equipped with balanced video capability for use with the C2N-IVDS24X24. Eight unbalanced composite outputs are also provided to enable direct connection to video monitors, recorders, and other devices.

Using any combination of unbalanced inputs and outputs, the C2N-IVDS24X24 can be interconnected with Crestron's CNX-PVID8X3 and CNX-PVID8X4 video distribution switchers to enable the sharing of whole-house video resources. Additional system configurations may be possible by interfacing with various Crestron CAT5 video products via the unit's CAT5 balanced video ports. (Limitations may apply; please review all relevant documentation thoroughly.)

The C2N-IVDS24X24 supports both NTSC and PAL formats. Each CAT5 input includes software programmable input compensation to maximize the quality of the balanced signal. The C2N-IVDS24X24 functions as a slave device to any 2-Series control system communicating via the Cresnet control network.

SPECIFICATIONS

Connectors

- VIDEO IN 1 - 16:** (16) RCA female
(16) Composite video inputs
Impedance: 75 ohms
Signal level: 1Vp-p nominal
Connect to video outputs of cameras or CNX-PVID8X3/4
- VIDEO IN 17 - 24:** (8) 8-pin RJ45 female, shielded
(8) CAT5 balanced video input ports (composite only)
Impedance: 100 ohms



Maximum CAT5 distance: 500 feet
Connect to feeds from C2N-IIF interfaces

VIDEO OUT 1 - 16: (16) 8-pin RJ45 female, shielded
(16) CAT5 balanced video output ports (composite only)
Impedance: 100 ohms

Maximum CAT5 distance: 350 feet
Connect to feeds to touchpanels

VIDEO OUT 17 - 24: (8) RCA female
(8) Composite video outputs
Impedance: 75 ohms
Signal level: 1Vp-p nominal
Connect to video inputs of a video distribution switcher

NET: (1) 4-pin 3.5mm detachable terminal block
Connects to Cresnet control network

LED Indicators

PWR: Indicates 24 VDC power supplied from Cresnet control network

NET: Indicates communication with Cresnet system

SETUP (rear): Used for touch-settable (TSID)

Buttons

SETUP (rear): Used for touch-settable (TSID)

Matrix Switcher

24 X 24 Crosspoint
Bandwidth: 20MHz, -3dB (RCA); 10MHz, -3dB (RJ45) per pair
Crosstalk: -50dB @ 5MHz
Isolation: 55dB @ 5MHz

Power Requirements

Cresnet Power Usage: 12 Watts (0.5 Amp @ 24 Volts DC)

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black metal, 2U 19-inch rack mountable (rack ears included)

Dimensions

Height: 3.47 in (8.41 cm)
Width: 19.0 in (48.26 cm) with ears; 17.1 in (43.43 cm) without ears
Depth: 8.68 in (22.05 cm)

Weight

3.4 lbs (1.5 kg)