



KRX-3 Video Decoder

- Decodes digital IP data into analog video for display on any monitor
- Powered by ViconNet Version 4
- Up to 3 analog video outputs: VGA, coaxial and S-Video
- Each output has the ability to provide a quad view, for a total of 12 video streams per KRX-3
- Compatible with both NTSC and PAL
- Maximum video system transmission rate up to 90 fps (75 fps PAL) or up to 30 fps (25 fps PAL) per output
- 24 VAC or Power over Ethernet (PoE) input power

The KRX-3 Video Decoder is a key part of the Vicon-Net® Virtual Matrix Controller. With the KRX-3 Video Decoder, network data is converted from a digital IP source to an analog output for display on any monitor with an S-Video, mini D-sub or coaxial input. This enables distribution directly to a monitor and offers an alternative display method to the PC-based client.

It also supports monitor wall designs that are typical of large-scale video surveillance installations such as casinos, correctional facilities, airports, hospitals and retailers. And, because the KRX-3 Decoder supports analog, VGA and S-Video monitors, there is no need to replace existing monitors with digital monitors. Full functionality of Vicon-Net is provided regardless of what type of monitor is used.

For large-scale operations, 8 KRX-3 Decoders can be rack mounted in a standard 19-inch rack. Remote management and control of the KRX-3 Decoders and the monitors they feed is done through the Virtual Matrix Controller. This supports a flexible network topology that allows installation of the KRX-3 Decoders where the monitors are, yet allows the location of the cameras, switches and the control center to be at a different site or sites. With the Virtual Matrix Controller, the operator can route any camera on the network to any monitor connected to a KRX-3 on the network.

There are several mounting options for the KRX-3. The unit may be mounted on a desktop using the rubber feet provided. Using the optional mounting kits, it can be rack mounted using the KX-4-RK2 (double), product code 8959-30 or KX-4-CC (eight), product code 8959-60 or wall mounted using the KX-4-WM, product code 8959-40.

Note: The KRX-3 must be connected to a Virtual Matrix Controller. See Product Specification V177.



Product Specification

ASSOCIATED EQUIPMENT AND ACCESSORIES

ViconNet VN1000V4 Master Workstation Software, Product Code 9162-00: Software CD for a PC for use with Kollektor™ series digital recorders and ViconNet IP workstations; registration required for use. Product Specification V113.

ViconNet VN-NVR Master Workstation, Product Code varies by model: PC preloaded with VN1000V4 Master Control Software for use with Kollektor series digital recorders and ViconNet IP video cameras and servers; registration required for use. Product Specification V113.

ViconNet Virtual Matrix Controller Unit, Product Code 9141-00: PC pre-loaded with virtual matrix software, can handle up to 2 keypads and up to 32 concurrent video streams. Registration required for use. Product Specification V177.

ViconNet Virtual Matrix Software, Product Code 9141-00: Software CD for installation onto a PC. Handles up to 2 keypads and up to 32 concurrent video streams. Single license, registration required for use. Product Specification V177.

Kollektor Elite Digital Video Recorder, Product Code varies by model: 16-channel networked digital video recorder for use with Kollektor Pro Series recorders, ViconNet IP video cameras and servers and ViconNet VN-NVR systems. Product Specification V112.

NETSWITCH-16, Product Code 8495-00: 16-port network switch, includes 10/100Mbps ports, desk-top/wall mount, 120 VAC. Product Specification V161.

NETSWITCH-24POE Network Switch, Product Code 8495-20: 16-port, 10/100/1000 autosensing network switch with a choice of 24 VAC or PoE power source, stackable. Product Specification V162-20.

NETSWITCH-24, Product Code 8495-20: 24-port network switch, includes 10/100/1000Mbps ports, rack mount, 120 VAC. Product Specification V162.

Uninterruptible Power Supply Product Code 8298-10: 725 VA unit with DB9 (RS-232) and USB ports; 120 VAC input/output. Product Specification V147.
Model S24PS Power Supply, Product Code 7027-00: 120 VAC input, 24 VAC output, 2.5 A current output, 60 W. 230 VAC input model, product code 7027-01. Product Specification 738.

Model V2448-175PS, Product Code 6410-20: 4-channel, 120 VAC input, 24 VAC output, 7 A output (total), 175 W. Product Specification 738.

Model V248-600PS, Product Code 8438: 8-channel, 120 VAC input, 24 VAC output, 25 A output (total), 600 W. Product Specification 738.

Model V2416-600PS, Product Code 8437: 16-channel, 120 VAC input, 24 VAC output, 25 A output (total), 600 W. Product Specification 738.

Vicon Product Facts		Model No: KRX-3	Product Code: 9119-00	SEC: 1	SPEC: V184	REV: 607
----------------------------	---	---------------------------	---------------------------------	---------------	-------------------	-----------------

Technical Information

ELECTRICAL

Input Power Source: 24 VAC, ±20%, 50/60 Hz; power over standard Ethernet cables IEEE 802.3af.

Current: 740 mA max. @ 24 VAC; PoE: 300 mA max. @ 48 VDC.

Power Consumption: Less than 13 W.

Heat Equivalent: 0.4 btu/min (0.1 kg-cal/min) nominal.

Note: These figures represent the conversion of 100% of the electrical energy to heat. Actual percentage of heat generated will be less and will vary from product to product. These figures are provided as an aid in determining the extent of cooling required for an installation.

Maximum Power Cable

Distance: Refer to table below.

Radio-Frequency Emission

Standard: FCC Class A.

Maximum Power Cable Distance

Wire Size (AWG) Annealed Copper Wire	Maximum Distance ft (m)
20	1000 (305)
18	1563 (476)
16	2500 (762)
14	4000 (1219)
12	6250 (1950)

VICONNET (IP)

LAN Interface: 10/100 Mbps, TCP/IP Unicast.

Number of Video Channels: 3.

Video Formats Supported: NTSC/EIA and PAL/CCIR.

Video Transmission

Rate: Up to 90 fps (75 fps, PAL) over 3 channels, up to 30 fps each channel (25 fps each, PAL).

Resolution: Dependent upon output type.

Network Setup: Standard network protocol type using IP addressing scheme and separate PC application software. Virtual Matrix Controller required.

INDICATORS AND CONNECTORS

Front Panel: Power/Status Indicator: Blue LED.
Video Indicator: 3 bi-color LEDs.

Rear Panel: Power Connector: 2-pin terminal block.
Network/POE: RJ-45 jack.
Network Connectivity: Green LED.
Network Activity: Amber LED.
Alarm: 5-pin terminal block (Future use).
RS-232: 5-pin terminal block
RS422/485: 5-pin terminal block (Future use).
Audio: Audio jacks I/O (Future use).
Video Out:
Channel 1 Video Out: mini-D-sub, BNC-F, S-Video.
Channel 2 Video Out: mini-D-sub, BNC-F, S-Video.
Channel 3 Video Out: BNC-F.

MECHANICAL

Application: Indoor.

Mounting: Desk-mounted; wall mounted or rack mounted on shelf with optional mounting kit.

Construction: Aluminum case/aluminum extrusion.

Color: Silver/Black.

Dimensions: See figure below.
Height (H): 1.73 in. (44 mm).
Width (W): 8.5 in. (216 mm).
Depth (D): 6.75 in. (153 mm).

Weight: 2.25 lb (1.0 kg).

Shipping Dimensions: Height: 3.6 in. (91 mm).
Width: 11.0 in. (279 mm).
Depth: 9.0 in. (229 mm).

Shipping Weight: 3.25 lb (1.5 kg).

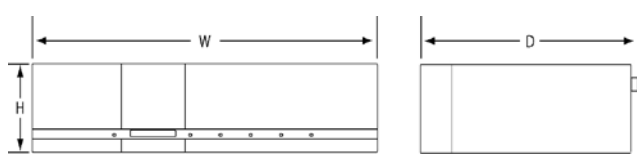
Shipping Volume: 0.29 ft³ (0.0058 m³).

Technical Information

ENVIRONMENTAL

Operating Temperature Range: 32 to 122° F (0 to +50° C)

Humidity: Up to 90% relative, noncondensing.



Dimensions

Vicon and ViconNet are registered trademarks of Vicon Industries inc. Kollector is a trademark of Vicon Industries Inc.

