

COHUHD

Series 9710^{HD} H.264 High Definition Video Decoder

Helios



Rear View

- Single Channel Ethernet HD Video Decoder
- Serial Port for Legacy PTZ Control Systems
- HDMI Display Monitor Output
- USB Joystick Port for Simple Camera PTZ Control
- Optional NTSC Video BNC Output
- Simple, Powerful, Compact Design - No PC Required
- Decodes H.264, MJPEG, MPEG4
- Wide Operating Temperature Range
- Downscapes Full HD Video to SD Analog Composite
- Web Server Configuration and Control

CohuHD's 9710^{HD} Series is a compact single channel video decoder designed for delivering high quality video output to commercial HDMI or analog composite video displays.

The 9710^{HD} supports decoding of H.264 or MJPEG encoded video, with resolutions ranging from standard definition 480i up to high definition 1080p at full frame rate.

The 9710^{HD} video output format is configurable for either digital HDMI or composite analog video. The 9710^{HD} offers complete flexibility for connection and video streaming methods, including RTSP/RTP, RTP Multicast, UDP Multicast and UDP Unicast.

The 9710^{HD} includes both RS232 serial and USB communication ports for integrating camera pan/tilt/zoom control capabilities.

With the serial RS232 port, the 9710HD facilitates integration of CohuHD Helios cameras into legacy analog video systems.

The 9710^{HD} accepts serial pan/tilt/zoom commands on the RS232 port and routes these messages over an IP network to the connected CohuHD Helios camera.

For standalone camera applications, the 9710^{HD} offers a USB port for attaching standard USB joysticks for controlling pan/tilt/zoom functions of the camera over the IP network. The result is a simple, cost effective approach for display and pan/tilt/zoom control of CohuHD Helios cameras.

The 9710^{HD} is ideally suited for simple video wall applications, where multiple decoders can be used to drive an associated wall of HDMI or NTSC displays directly.

Compact in size in relation to its 1Ghz quad-core processing and decoding power, the 9710^{HD} can decode bitrates up to 50Mb, while offering smooth, low latency video.

The 9710^{HD} includes an integrated web server for simplified configuration and management functions.

Contact your local CohuHD sales professional for further information and demonstration of the latest in network video decoding technology.

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(858) 391-1800

www.cohuhd.com

CohuHD reserves the right to change specifications without notice

For design help, accessories or pricing, please contact:
sales@avsupply.com or call: 1-858-565-1101

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MODELS

9712-1000	HDMI output
9712-2000	HDMI and Analog Video output

DIGITAL VIDEO

Format	HDMI 1.4 Digital
Resolution	1080p, 720p, D1
Frame Rate	Up to 30fps
Decoders	H.264, MPEG4, MJPEG
Connector	HDMI

ANALOG VIDEO (AVAILABLE ON 9712-2000)

Output	Composite, 1Vp-p, 75 ohm Resolution NTSC
Frame Rate	Up to 30fps (frame rate of video)
Connector	BNC

NETWORK INTERFACE

LAN	IEEE 802.3 Ethernet, 10/100/1000 BaseT, Auto Sensing
Connector	RJ45

SERIAL DATA INTERFACE

Format	RS232 Full/Half Duplex, 3 Wire
Connector	DB9 Female
Protocol Support	Cohu Serial

USB INTERFACE

Format	USB 2.0
Connector	USB A Type
Function	PTZ Joystick Option

MICRO SD CARD

Function	Firmware Image, Maintenance Updates
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DECODER PROPERTIES

Video Stream	RTSP/RTP, RTP Multicast, UDP Unicast, UDP Multicast
Connection URL	User Defined URL with Port (One stream for decoding only)

DISPLAY PROPERTIES

Output Resolution	1080p, 720p, 480i
Video Aspect Ratio	Scale to Display Force Aspect Ratio
Output Format	HDMI or Composite Analog

SERIAL PORT PROPERTIES

Settings	Baud rate, Data bits, Parity, Stop Bits, Duplex
Port Server	Enable/Disable, Mode [Server, Client], Port Setting

NETWORK INTERFACE

Network Format	Ethernet 802.3 (100BaseT-TX)
Network Protocol	TCP, UDP, IPv4, IGMP, ICMP, DNS, DHCP, RTP, RTSP, NTP, HTTP, ARP
Settings	DHCP [Enabled/Disabled] IP Address, Subnet Mask Gateway Address, DNS Server, Host Name

POWER

Input Voltage	5Vdc, Universal Input (96-230Vac) power supply included.
Power	5 Watts

ENVIRONMENTAL

Temperature	-4 to 165 F [-20 to +74C]
Humidity	5-95% n.c.

DIMENSIONS [W, H, D]

7.0" x 1.7" x 3.8" [178 mm x 43 mm x 97 mm]

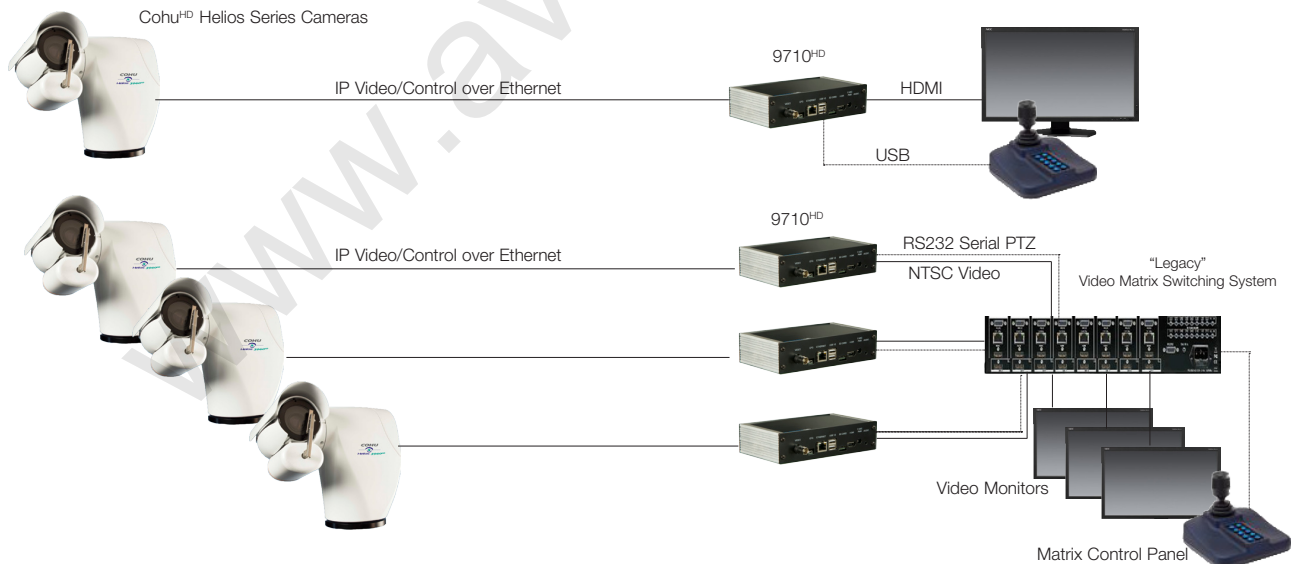
CAMERA PAN/TILT CONTROL

The 9710^{HD} serial interface can be used to send CohuHD PTZ camera control messages over the network to the CohuHD Helios camera.

This allows legacy serial PTZ based camera control systems to operate CohuHD Helios PTZ cameras.

The 9710^{HD} decoder to CohuHD Helios camera connection function must be done thru the 9710^{HD} web server interface or thru API integration to 3rd party system.

The USB interface can be used for connecting a USB joystick (PN 7411469-001) to operate CohuHD Helios PTZ cameras.



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