

MediaStar HD HDMI H264 Encoder with HDCP Pro capability (798)



The MediaStar HD HDMI Encoder (798) is a robust processor blade with H264 encoding and optional HDCP Pro content protection compatibility. It is the ideal solution for use where HDCP protected media assets need to be redistributed with maintained integrity across a secure, controlled IP environment.

Key Features

- > Supports HDCP Pro 2.2
- > Output stream resolutions up to 1080p60
- > Auto configuration with MediaStar Media Manager Software
- > Rack mount or stand alone appliance options
- > IP streams DSCP tagged for QoS network control
- > Local monitoring of unit operational status
- > Compact size with low power consumption (17W)

Models

- > 798-720p
- > 798-HD
- > 798-HDCP

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The 798 encoder is a versatile unit that allows an HDMI delivered video and audio signal, (both with or without HDCP protection) to be streamed to users across an IP network in real-time and to be viewed via MediaStar players (part 782) onto screens and displays.

The unit is a 'hot swappable' blade based processor module for use in a MediaStar multi-slot powered rack chassis (part 770) or single slot appliance case (part 769).

Initial configuration and stream setup using a laptop or tablet can be via the built-in web server or by simply using the front panel buttons and LCD status display. Alternatively, multiple units within a wider system can be networked under the control of the MediaStar Media Manager software (Part 462).

Front panel RS-232 and USB Host connectors allow for local connectivity. A screen may be attached to the rear panel HDMI connector for local unit content monitoring.

The encoder has a variety of other useful features that make it an essential part of any sophisticated AV system. These include SNMP trap events, an on board event log that can be emailed to a specific recipient as well as IP/RS232 control commands.

In addition the unit has an IP to RS232 pass-through capability enabling remotely generated IP commands to establish a duplex communications link via the unit's RS232 port to other co-located devices.

The 798 Blade can be powered from a MediaStar 3RU rack Chassis (model 770) or from a single slot Appliance Case (model 769) and it can operate reliably in all dry environments from 0-40°C (32-104°F).

This coupled with maintenance free operation, small physical size and low power consumption make the 798 ideally suited for both large scale distributed applications or simple single unit deployments.

Specifications

Whats in the box	<ul style="list-style-type: none"> • 798 Encoder blade • RJ45 patch lead (2M) • 2 x HDMI to HDMI lead (1M)
SYSTEM INPUTS & OUTPUTS	<p>Video and Audio Inputs:</p> <ul style="list-style-type: none"> • VIDEO: HDMI 1.4 Digital - Resolutions: 576i50, 480i60, 720p50, 720p60, 1080i50, 1080i60, 1080p50, 1080p60 • AUDIO: HDMI socket, digital stereo audio
	<p>Output Encoding and Resolutions:</p> <ul style="list-style-type: none"> • H264 Video & AAC Audio. Bandwidth 3 to 20Mbps. Resolutions 576i50, 480i60, 720p50, 720p60, 1080i50, 1080i60, 1080p50, 1080p60
NETWORK & INTERFACES	<p>LAN and Network Protocols:</p> <ul style="list-style-type: none"> • RJ45 802.3 10/100/1000 Base-T Auto MDIX. Static or DHCP IP Address. DSCP stream tagging for QoS • Protocols: UDP, TCP, ARP, DHCP, ICMP, IGMP V2 / V3, HTTP, HTTPS, Telnet, SNMP, Syslog, SDP, SMTP, DSCP.
	<p>USB Port:</p> <ul style="list-style-type: none"> • USB 3.0, type A: Host port for keyboard and mouse. Software upgrade via memory stick with ONLY Cabletime protected software
	<p>RS232 Port for 3rd Party Control Interface:</p> <ul style="list-style-type: none"> • Rx, Tx, CTS, RTS up to 115,200 Baud. SIPI external configuration/control or IP to RS232 bidirectional pass through for external device control
CONFIGURATION & MONITORING	<p>Configuration:</p> <ul style="list-style-type: none"> • Via On board web server using laptop or tablet • Via front panel buttons and LCD status displa • Remotely using MediaStar Media Manager software • Rear panel HDMI port for monitoring unit status page. Unit front and rear panel 'locator' LED function to easily identify a single unit within a rack
	<p>Event and Status Monitoring:</p> <ul style="list-style-type: none"> • Key operating functions reported via SNMP or Syslog traps sent to third party SNMP manager (MIB available on request) • Automatic e-mail of Event log files via external SMTP server • Unit operating temperature available remotely via web interface
OTHER INFORMATION	<p>Power Dissipation and Environmental:</p> <ul style="list-style-type: none"> • 17W (from MediaStar rack chassis). Operating temperature 0° - 40°C (32 - 104 °F) (Housing ambient)
	<p>Weight and Dimensions:</p> <ul style="list-style-type: none"> • 0.5Kg; 1.3 Lbs (798 Blade only) W4.1 H12.9 D22.5cm; W1.6 H5.0 D8.6" occupies 1 slot of a MediaStar rack / appliance housing
	<p>Approvals:</p> <ul style="list-style-type: none"> • FCC, CE, CB, TUV Approved