PACKETV®

M400 Encoder Series

H.264 HD Encoders

Visionary Solutions' M400 Series of H.264 encoders transform live video sources into full-screen, full resolution IP Video streams that can be multicast, unicast, or HTTP.

This encoder is suitable for HD or SD video distribution over IP networks.

When you need to deploy many channels, the M400 Series provides a cost conscious way to deliver Visionary IP video.

Features

Small Form Factor

The M400 Series are small box form factor encoders for easy deployment throught your facilities. Put it where you want to get video onto your network and you are streaming in minutes. Integral mount brackets allow mounting to any convienient surface.

Flexible H.264 Encoding

H.264 encoding up to 1080p. Dual bitrate output for different displays. This allows you to have one high quality stream for LAN and one for WAN or Internet endpoints.

Multiple Encapsulations

MPEG-TS for professional applications
RTMP to feed OTT media servers
RTSP for direct clients (limited number of clients)
HTTP for PC and MAC

Onboard Scaler for Input Video

No need to worry about configuring the source resolution.
The M400 Series will scale your input to the correct size for encoding.

Video Inputs

M400-1 has HDMI and CVBS inputs
M400-2 has SDI input
M400-3 has VGA and Component inputs

Audio Inputs

M400-1 has HDMI embedded and RCA Analog inputs
M400-2 has SDI embedded input
M400-3 has 3.5mm Analog input

Management & Configuration

The M400 Series of encoders can be configured via web interface or web API. This affords a simple and consistent method of controlling units.

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H.264 HD Encoders

Specifications

Input Video

M400-1 HDMI and CVBS
M400-2 SDI
M400-3 VGA, Component YPbPr

Input Audio

M400-1 HDMI Embedded and RCA Stereo
M400-2 SDI Embedded Stereo
M400-3 3.5mm Stereo

Output

RJ-45 Ethernet 10/100

Video Encoding

H.264 MPEG-4 AVC Compression

High, Main or Baseline Profile

100kbps to 12Mbps

Frame Rate 5-30fps

IGMP v1, v2, v3

Audio Encoding

48kbps to 256kbps

AAC or MP3 stereo

Video Input Formats

1920x1080p/i 50/59/60Hz

1280x1024p 60Hz

1280x960p 60Hz

1280x720p 50/59/60Hz

1024x768p 60Hz

800x600p 60Hz

720x576p/i 50Hz

720x480p/i 59/60Hz

640x480p 60Hz

Video Output Resolutions

1920x1080

1680x1056

1280x720

1024x576

850x480

720x576

720x540

720x480

720x404

704x576

640x480

640x360

352x288

320x240

320x180

Weight

M400-1 250g or 0.55 lb. (approximate)

M400-2 230g or 0.51 lb. (approximate)

M400-3 230g or 0.51 lb. (approximate)

Power Input

M400-1 DC Input 12VDC @ 2A, 5 Watts

M400-2 DC Input 12VDC @ 2A, 5 Watts

M400-3 DC Input 12VDC @ 2A, 5 Watts

Environmental

Operating Temperature -10ºC to 50ºC
(14ºF to 122ºF)

Compliance

EMC: FCC Part 15 Class B

SAFETY: EN60950-1

Dimensions

(W x D x H)

M400-1 168 x 170 x 29 mm (6.6" x 6.7" x 1.2")

M400-2 128 x 170 x 29 mm (5.0" x 6.7" x 1.2")

M400-3 128 x 170 x 29 mm (5.0 x 6.7" x 1.2")

Flanges add 28 mm (1.1") to width