The M400 quad channel HDMI encoder enables Synectics command and control software, Synergy 3, to view recorded and live video from any HDMI source.

This device, available in 1-4 channel configurations, supports video resolutions up to 4K @ 30Hz for applications such as Alarm Receiving Centers. User actions and on-screen information can easily be monitored and captured.

The encoder is also ideal for gaming environments to record working monitors or video output from devices like slot machines, and for projects where compliance requires all monitor outputs to be recorded. The M400 can encode up to full 4K resolution without downscaling.

### SPECIFICATIONS*1

**Size (W x D x H)**  
8.53 x 7.45 x 1.68 in  
(21.7 x 18.9 x 4.3 cm)

**Weight**  
3 kg / 6.6 lbs

**Power Input**  
100-240V 5-2.5A 50-60Hz

**Power Draw**  
60 Watts (4 Channel Model)

**Input Connections**  
4 x HDMI (Type A)

**Output Connections**  
4 x HDMI (Type A) Pass-Through

**Colour Space Capture**  
RGB and YUV 8- and 10-bit support color space conversion support

**Chrome Sampling**  
4:4:4 (8-bit) / 4:2:2 (8-bit)  
4:2:0 (8-bit and 10-bit) / 4:0:0 (8-bit and 10-bit)

**Maximum Capture Resolution**  
4x 3840x2160 @30Hz / 4x 4096x2160 @30Hz

**Support for Custom Resolutions**  
Project dependent; please contact Synectics for details

**Video Encoding Formats (Codecs)**  
H.264/MPEG-4 Part 10 (AVC)

**Bitrate Range**  
Up to 30Mbps per Channel

**Network Connector**  
1x RJ45 with status LED indicators

**Network Standard**  
100/1,000 base-T Ethernet  
Auto speed

**IP Addressing**  
IP4v support  
DHCP (default)/static IP address support

**Cooling**  
Active

**Operating Temperature Range**  
0°C to 45°C / 32°F to 113°F

**Storage Temperature Range**  
-40°C to 70°C / -40°F to 158°F

**Operating Humidity Range**  
20% to 80% non-condensing

**Storage Humidity Range**  
10% to 90% non-condensing

**EMC/EMI Device Class**  
Class B

**EMC/EMI Certifications**  
FCC (US)  
CE (EU)  
RCM (Aus/NZ)  
VCCI (Japan)  
KC (Korea)  
ICES-3 (Canada)

**Environmental Certifications**  
EU RoHS  
China RoHS  
REACH  
WEEE

NOTE: *1 Technical specifications subject to change without notice.

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**Synectics**

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