

# M100

## VGA HDMI Encoder

Video network device for encoding video from a VGA or HDMI source.



The M100 single channel VGA HDMI encoder enables Synectics command and control software, Synergy 3 and Synergy Pro, to view recorded and live video from a VGA or HDMI source. The device supports video resolutions up to 1080p @ 60Hz through HDMI, or 1920x1080 @ 60Hz through VGA.

In 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 video output from devices like slot machines.

### Features

- Web User Interface Configuration
- Supports ONVIF 1.1 specification
- Variable Bit Rate (VBR) and Constant Bit Rate (CBR) streaming configurations
- Auto detection of video resolution and frame rate

- $\leq 50$ ms encode delay
- AAC audio encoding supported
- Dual streaming of primary and secondary channels\*

\* Maximum Resolutions for Dual Streaming:  
Primary Stream - Up to 1920 x 1080 @ 30 frames per second. Secondary Stream - Up to 720 x 480 @ 30 frames per second

# Specifications

GENERAL	
Video Input	1 x HDMI / 1 x VGA
Video Source Selection	HDMI or VGA
Network	1 x RJ-45, 10/100M Ethernet
Power Supply	DC 12V, 2A (External Power Supply)
Power Requirements	100-240V 0.4 Amp
Size (H x W x D)	185 mm x 125 mm x 35 mm / 7.2" x 5" x 1.4"
Weight	0.5 kg / 1 lb
SIGNAL	
HDMI Features	HDMI 1.3 / HDCP 1.3
Supported HDMI Formats	1080p / 1080i / 720p / 480p / 576p / 480i / 576i (up to 60Hz)
VGA Features	VGA / XGA / UVGA / SVGA / SXGA / SXGA+ / WXGA / WXGA+ / WSXGA / WUXGA
Supported VGA Formats	VESA Standard Formats up to 1920x1200@60Hz
ENCODING	
Video CODEC	H.264 High Profile( up to level 4.1 )
Encoding Delay	≤50ms
Video Encoding Bitrate	512Kbps ~ 20Mbps
MANAGEMENT	
Management Interface	Web User Interface only
Remote Management	ONVIF 1.1 Compliant
Remote Firmware Upgrade	Supported via Web User Interface
OPERATIONAL ENVIRONMENT	
Operational Temperature	0° ~ 80°C
Relative Humidity	20% - 90% (Non-Condensing)
Overall Unit Power Dissipation	5W