

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

- ≤50ms 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 |