

MGFLEX Encoder



The MGFLEX is a product that will make adding additional cameras to existing or new systems easier. The MGFLEX accomplishes this by taking any analog camera or PTZ and connecting it to our MGFLEX-ENCODER. This H.264 encoder then sends the digital signal of the video and PTZ controls over almost any medium available. It can be sent across Ethernet, Wireless or Power Line. The digital signal is then picked up by our MGFLEX-DECODER which then changes the digital signal back to an analog signal which will connect to any system on the market through standard BNC with almost no loss in video quality. This drastically reduces the time for installation and provides a solution to get more jobs done in a shorter period of time.

Features - Encoder

- Highly reliable DSP solution, a powerful RTOS, industrial grade MTBF D1 High Definition network video server, compatible to Half-D1, CIF and QCIF
- Uses an optimized H.264 video compression algorithm to transmit High Definition video over low network bandwidth
- Uses an optimized MP3 audio compression algorithm to make the sound clear.
- Uses the most advanced technology of network transition server to realize multi-user access and multi-level password authorization management
- Supports real-time video surveillance output (Two-channel and Four-channel Models – coming soon)
- Supports PAL/NTSC composite video
- Built-in Web Server to provide remote surveillance, control and settings via IE
- Supports 802.11b/g wireless network, CDMA1X and GPRS mobile network and surveillance via the mobile phone
- Supports remote software updates
- Supports dynamic IP address , LAN, Internet (ADSL and Cable Modem)
- Bi-directional real time transmission of audio talk-back
- Network self-adapting technology to adjust video frame rate automatically according to the network bandwidth
- Video bit rate can be adjusted continuously between 16Kbps and 2Mbps frame rate can be adjusted between 1 to NTSC 30 / PAL 25
- Provides video loss motion detection and sensor alarm functions
- Provides RS485/RS232 serial port with several built-in high-speed domes and decoder protocols, supports transparent protocols
- Supports image masking/image capturing
- Fail Safe Features: Auto-Recovery function and Auto-Connection function

Technical Parameter

Video Input	1/2/4 channel composite video, PAL or NTSC BNC (1.0Vp-p,75Ω)
Video Compression	H.264
Video Resolution	PAL:352x288(CIF), 704x288(2CIF), 704x576(D1); NTSC:352x240(CIF), 704x240(2CIF), 704x480(D1)
Adjustment of Video Parameters	Brightness , Hue, Contrast, Saturation, Image quality.
Streaming	Optional Streaming Format(Video Streaming or Audio & Video Streaming)
Video Frame Rate	PAL: 1-25frames/second; NTSC: 1-30frames/second
Video Compression Bitrate	16Kbit/S 2Mbit/S
Video Output	1 channel composite video, PAL or NTSC BNC(1.0Vp-p,75Ω) real-time four images video surveillance (Two channel and Four Channel models only)
Audio Input	1/2/4 channel , RCA interface, liner input, Impedance: Ω



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MG^{FLEX}
Decoder

Features - Decoder

- High reliability PHILIPS special DSP solution, super powerful RTOS, realize industrial grade MTBF
- Support 4-channel CIF & Single-channel D1 decoding
- Support point-to-point communication.
- Support point-to-multi-point communication.
- Support Passive Mode (Receive a digital signal from a PC or other device, and output the digital signal as Analog after decoding)
- Supports a Keyboard or Matrix control input.
- Supports PAL/NTSC Video output to any DVR.
- Supports remote upgrades.
- Support Dynamic IP Address (DHCP) DNS.
- Fail Safe Features: Auto-Recovery function and Auto-Connection function.

Technical Parameter

Video Input	Single-channel composite video, PAL/NTSC	BNC(1.0Vp-p,75Ω)
Audio Output	Single-channel, RCA Interface, Linear Output	
Audio Talk-back Input	Single-channel, MIC Interface	
Communication Interface	10M/100M self-adapting Ethernet port, RS485 port, RS232 port	
Alarm Output	2channel on/off input,120VAC 1A/24VDC 1A	
Input Power Supply	DC 9V, 2.7A	
Maximum Power	Less than 5W	
Operating temperature	-10 ~ +55 °C	
Operating Humidity	10 ~ 85%	
Dimension	180mm(L) x 50mm(H) x 110mm(D)	