

### Product Description

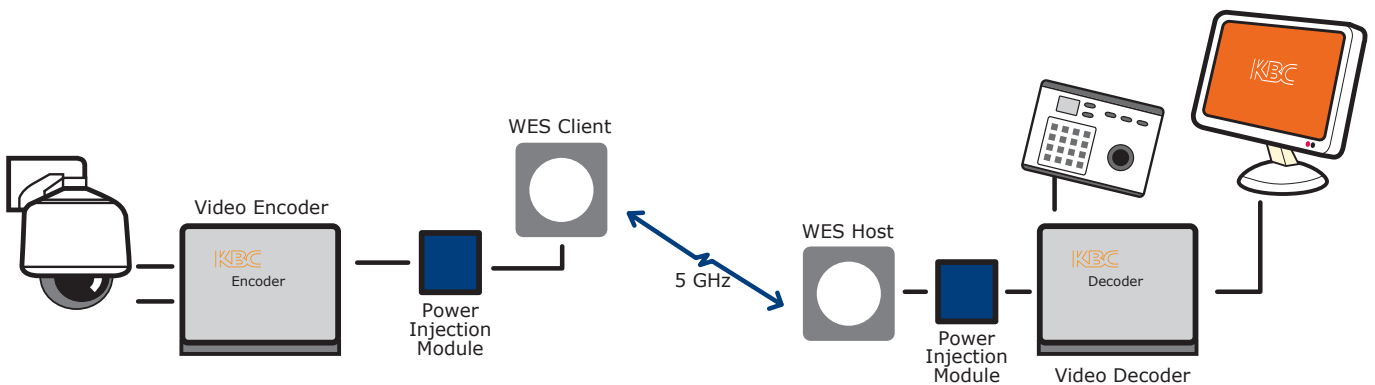
The Encoder (ENC-A) is a high resolution, IP Ethernet (LAN/WAN) ready digital video server/encoder. Encode video and data from a new or existing analog camera to MPEG-4 digital video for streaming over a wired or wireless network. Specifically designed to meet the increasing need for high quality, reliable, real-time video applications, the Encoder is ideal for retrofit or new video surveillance applications. For ultimate flexibility, an encoder may be connected via a Wireless Ethernet System (or network of Mesh nodes) in camera locations where it is not feasible to run wire. For end-to-end analog connectivity, use the Encoder (ENC-A) with a Decoder (DEC-A).



### Product Features

- CIF to D1 resolution MPEG-4 encoding at up to 30 fps
- Bi-Directional Audio
- Supports automatic/manual frame control for accessing concurrent video streams in different bandwidths via LAN/WAN ports, PPPoE and DDNS supported
- QoS enabled (Layer 2, Layer 3) video streaming, Unicast/Multicast
- RS-422/485 and 232 user selectable dip switch for serial device communication or Pan/Tilt/Zoom control
- Compatible with most major camera manufacturer data protocols
- Digital I/O Alarm ports
- Web browser interface for advance operation and viewing
- LED indicators provide quick set up and helpful diagnosis of all important system parameters

### Typical System Configuration



## Specifications

### Image

Compression	MPEG - 4 compliant hardware compression
Digital Resolution	QCIF (160 x 112 - NTSC, 176 x 144 - PAL) CIF (352 x 240 - NTSC, 352 x 288 - PAL) D1 (720 x 480 - NTSC, 720 x 576 - PAL)
Image Frame Rate	30 fps full D1 resolution (NTSC) 25 fps at full D1 resolution (PAL)

### Interface

LAN/WAN Port	RJ - 45 (10 / 100base - T)
Serial Port	4 pin terminal block (RS-232 / 422 / 485) - mode dip switch selectable
Analog Video Input	Composite, BNC connector (NTSC, PAL)
Analog Video Output	Composite, BNC connector (NTSC, PAL)
Audio Line Input	Compression: 8 kHz, Mono, PCM Unbalanced, 1.4 Vp-p, 1 Vrms, 3.5mm Phone Jack
Audio Line Output	Compression: 8 kHz, Mono, PCM Unbalanced, 1.4 Vp-p, 1 Vrms, 3.5mm Phone Jack
Digital Alarm I/O Connection Type	6 pin terminal block TTL 2 inputs, 2 outputs
Digital Alarm Input (DI)	To Trigger (low) logic level 0: 0 ~ 0.8 V Normal (high) logic level 1: 2.31 ~ 5.3 V
Digital Alarm Output (DO)	To Trigger (high) logic level 1: 2.8 ~ 3.3 V Normal (low) logic level 0: 0 ~ 0.5 V
General	Built - in web server and network interface

### Network

Protocol Supported	TCP, UDP, HTTP, PPPoE, DDNS, DHCP, IGMP
QoS	Layer 2, 3
Software OS Supported	Win 2000, Win XP, Win 2003, Vista
Security	Password/username protection for restricted access

### Mechanical

Physical Dimensions	Metal housing, not weatherproof 40mm x 120mm x 136mm (1.56" x 4.72" x 5.37")
Weight	0.37kg (12.9 oz)
Certification	CE, FCC Class B

### Power

Power Requirements	12 VDC @ 625 mA, 7.5 W
Power Supply	12 VDC 1500 mA, wall transformer supplied

### Environmental

Humidity	10% ~ 90%
Operating Temperature	-22° to + 158°F (-30° to +70°C)

## Part Numbers

ENC-A	Includes Video Server/Encoder and power supply
EDKT-A	Includes Video Server/Encoder, Decoder, mounting hardware, power supplies and one enclosure

*Each ML EDKT Kit Includes: 1 x video server/encoder, 1 x decoder, 1 x environmental enclosure & mounting hardware, 1 x set of connectors for alarm for I/O and data interface, 2 x 12 VDC 1.5A power supplies*