



### Product Description

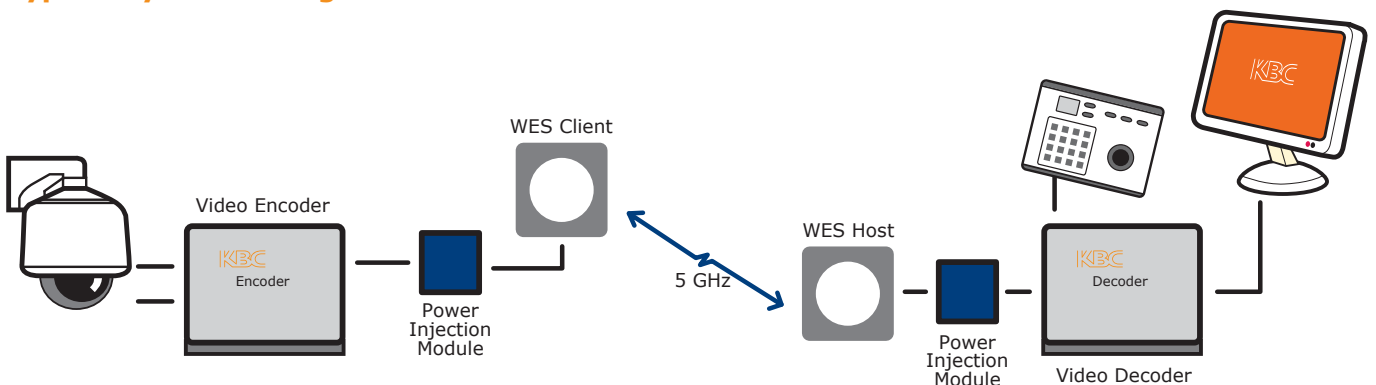
The Decoder (DEC-A) is a high-resolution, IP Ethernet-ready (LAN/WAN), digital video decoder. The unit enables D1 digital video to be decoded from an encoder (ENC-A) for display on an analog monitor/DVR. Specifically designed to meet the increasing need for high quality, reliable, real-time video applications, the decoder is ideal for retrofit and for new video surveillance applications. For ultimate flexibility in camera locations where it is not feasible to run cable, the decoders can be connected via a Wireless Ethernet System (or network of Mesh nodes). For end-to-end analog connectivity, the Decoder (DEC-A) should be used with a Encoder (ENC-A).



### Product Features

- CIF to D1 resolution MPEG-4 decoding 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)
- Digital I/O Alarm ports
- 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
- 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<br>hardware de -compression   |
| Digital Resolution | QCIF (160 x 112 - NTSC,<br>176 x 144 - PAL)<br>CIF (352 x 240 - NTSC,<br>352 x 288 - PAL)<br>D1 (720 x 480 - NTSC,<br>720 x 576 - PAL) |
| Image Frame Rate   | 30 fps full D1 resolution (NTSC)<br>25 fps at full D1 resolution (PAL)   |

### Interface

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

### Network

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

### Mechanical

|               |   |
|---------------|---|
| Physical      | Metal housing, not weatherproof                 |
| Dimensions    | 40mm x 120mm x 136mm<br>(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,<br>wall transformer supplied |

### Environmental

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

## Part Numbers

|        |   |
|--------|---|
| DEC-A  | Includes Video Decoder 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*