

## Product Description

The KBC ED-G is an IP video encoder, decoder and public announcement system combo device. It features H.264 real-time video compression for encoding analog video to IP or decoding IP video to analog, making the ED-G a necessary component of any surveillance solution that requires both IP and analog streams. The ED-G offers excellent image quality, industry leading SIP/VoIP for 2-way audio and video streaming to mobile phones and video phones, a large pre-/post-event recording buffer, and advanced security protection. Its integration of comprehensive peripherals including Microphone Input, Alarm Input and Output allows the device to function as a powerful and flexible voice/video public announcement system (PAS) using Microphones, IP phones or IP video phones. Pairing the ED-G will allow users using a joystick controller to operate any PTZ analog camera remotely via an IP network. The ED-G allows users to fully utilize existing equipment they have already invested in and upgrade to an advanced IP solution. The ED-G offers an HTTP API and is fully compliant with ONVIF standard.



## Product Features

- Supports Motion Detection with up to 16 motion detection target areas
- Supports a variety of alert notifications thanks to audio/video streaming
- SIP/VoIP support of two-way audio and video streaming
- Can be powered from a Power over Ethernet Source (PoE)

## Specifications

<b>Video Compression</b>	H.264, JPEG, Motion JPEG
<b>Max Frame Rate in Max Resolution</b>	30fps/25fps for D1 (NTSC/PAL)
<b>Video Bit Rate</b>	16 Kbps - 2 Mbps
<b>Video Input</b>	BNC (voltage 1.0Vp-p, resistance 75 ohm)
<b>Audio Input</b>	3.5mm, Microphone IN
<b>Audio/Video Output</b>	3.5mm, AV cable to TV Audio & Video Input
<b>Alarm Input</b>	Digital input port. Normal open (low), Current (DC) <50mA. Voltage <45V to activate
<b>Alarm Output</b>	Digital output port. Normal open, Voltage <80V, Current <50mA
<b>Audio Compression</b>	G.711a/u
<b>Serial Ports</b>	RS485 (PTZ control)
<b>Embedded Analytics</b>	Motion detection (up to 16 target areas)
<b>Pre/Post Alarm Buffer</b>	24MB
<b>Snapshots</b>	Triggered upon events, send via email/FTP
<b>Multi streaming rate for Preview and Recording</b>	Yes
<b>Security</b>	Video watermark, HTTPS, User Password
<b>Network Ports</b>	10M/100M auto-sensing, RJ45
<b>Protocol</b>	TCP/UDP/IP, RTP/RTCP, RTSP, DHCP, DDNS, HTTP, HTTPS, SMTP, FTP, NTP
<b>PoE</b>	IEEE 802.3af, Class 0
<b>SIP/VoIP Support</b>	Yes, Voice & Video-over-I
<b>Dimensions</b>	67mm x 34mm x 96mm
<b>Weight</b>	121g or 4.3oz
<b>Temperature/Humidity</b>	0 degrees Celsius - 45 degrees Celsius; Humidity 10-90% RH (non-condensing)
<b>Power Adapter Output:</b>	12VDC/0.5A; Input: 100-240VAC, 50/60Hz
<b>Max Video Resolution: Encoding</b>	NTSC: 704x480@30fps (4CIF), 640x480@30fps (VGA), 352x240@30fps (CIF), 320x240@30fps (QVGA) 176x112@30fps (QCIF)
<b>Max Video Resolution: Decoding</b>	NTSC: 720x480@30fps (4CIF), 640x480@30fps (VGA), 352x240@30fps (CIF), 320x240@30fps (QVGA) 176x112@30fps (QCIF)

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