

4-Camera Color Quad Processor

*e*series

The ADEMCO Video AQC30E e-Series color quad provides a high performance yet cost-effective processing solution for many standard four camera video installations.

The AQC30E incorporates an advanced digital video ASIC performing real time processing on the four color camera inputs. The unit combines state-of-the-art technology along with enhanced video memory processing to provide high quality images without video aliasing or flickering. The AQC30E features Automatic Gain Control to maintain constant video images, regardless of incoming signal strength.

The AQC30E is very user-friendly and contains an extremely intuitive user interface. To obtain a full frame view of any specific camera simply press the camera number on the front panel. A dedicated button selects either quad view or sequenced view. In the quad view all four cameras are simultaneously displayed on one screen. The sequenced view displays full screen views of each individual camera followed by a quad display of all four cameras. In the sequenced view mode the user can select an interval between views of either three, six, or nine seconds. No matter what view is selected, the AQC30E provides real time processing and display of camera images.

The On Screen Display (OSD) option shows the individual camera number on the quad or full screen view. This provides instant identification of the camera image. In addition, in the sequenced view mode the user can select either a three, six or nine second time between images.

With resolution of 720 x 480 pixels in NTSC format (720 x 576 for PAL) the AQC30E provides superior image quality for quad view, single view and sequence viewed images.

The AQC30E's compact size will prove to be very convenient for the vast majority of standard four camera video installations. The convenient half-rack size allows placement of the two units on a rack shelf or stand-alone placement near the video monitor.

FEATURES:

4-Camera Color Quad Processor

- Real time processing four camera Inputs
- Single monitor output
- Single camera, quad or sequenced view
- On Screen Display option
- Selectable dwell time (3 , 6, or 9 seconds)
- Automatic Gain Control
- Front panel selection of dwell time and On Screen Display (OSD)



AQC30E

**ADEMCO
VIDEO**

AQC30E

ADDITIONAL FEATURES

Easy Operation

The AQC30E is easily operated through the five convenient front panel buttons. To obtain a full screen view of any specific camera simply press the camera number. To select either a quad view or sequenced view press the Quad-Sequence button. In the Quad view mode the monitor will display all four cameras with real time display of the images. The Sequence mode displays full screen views of each camera switching between each camera view every three, six or nine seconds. The dwell time is easily changed through the front panel.

Programmable Dwell Time

In the Sequence mode the time duration between camera views is a user defined option. The AQC30E can be programmed to sequence between camera views on either a three second, six second or nine second basis for a closer look at suspicious activity.

On Screen Display

The On Screen Display (OSD) option displays the specific camera number directly on the monitor and will appear on all display views (single, quad, sequenced). This option allows the user to clearly identify the camera being displayed.

Real Time Display

The advanced design of the AQC30E allows real time processing of input video signals. This means that the video output on the monitor is clear and displayed in real time.

Multiple Viewing Options

Select a single full page view of a specific camera, quad view showing all four images, or sequenced view which switches between the four cameras. The viewing modes are easily selected through the front panel buttons on the AQC30E Quad Processor.

Automatic Gain Control

The AQC30E performs automatic gain control (AGC) on each of the video inputs. This means that the gain of each individual camera is maximized without the need for separate adjustments.

Front Panel Operation

The Color Quad is completely operated through the front panel buttons. The front panel controls the quad display operation as well as selecting the dwell time and On Screen Display option.

Practical Size

The half-rack size of the AQC30E allows it to be situated on a rack shelf or on a standalone basis near the monitor. This convenient size permits use in virtually any installation.

ORDERING:

Part No.	Description
AQC30E	Color Quad Processor, NTSC
AQC30EX	Color Quad Processor, PAL, 230V
AQM30E	Monochrome Quad Processor, EIA
AQM30EX	Monochrome Quad Processor, CCIR, 230V

TECHNICAL SPECIFICATIONS

Operational

Video Standard
 Model AQC30E NTSC format (525 lines, 60 fields per second)
 Models AQC30EX PAL format (625 lines, 50 fields per second)
 Display Memory: 720 x 480 pixel for NTSC
 720 X 576 pixel for PAL
 16 bit, 16 million color palette
 Display Rate
 -NTSC 30 frames (60 fields) per second
 -PAL 25 frames (25 fields) per second
 -Dwell Time 3, 6, 9 second selectable through front panel buttons
 On Screen Display (OSD) On/Off (front panel selectable)
 Displays camera number on all display views
 Differential Gain +/- 20% typical
 Differential Phase: +/- 20% typical
 S/N Ratio 53 dB typical

Inputs

Video Inputs: Four 1 V p-p composite, +/- 20%, 75 Ohms, BNC

Outputs

Monitor Output: One 1 Vp-p composite, +/- 20%, 75 Ohms, BNC

Mechanical

Unit Weight (including power supply)... 0.68 kgs (1.5 lbs) 1.2 kgs (2.6 lbs)

Dimensions: 1.1" high (44 mm) x 8.3" wide (212mm) x 6.2" deep (158 mm)

Temperature Range 40° F to 104° F (5° C to 40° C)

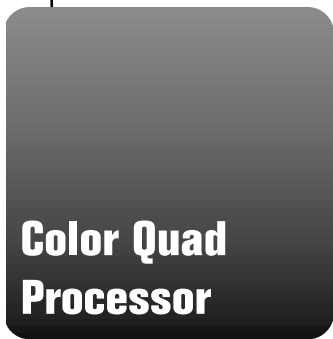
Power

Input Power Voltage 12 VDC

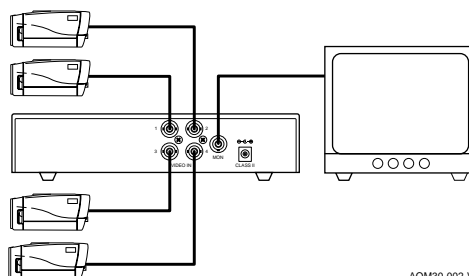
Regulatory

Safety CE

EMI FCC



Typical System Diagram



ADEMCO VIDEO

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