

4-Camera Monochrome Quad Processor

*e*series

The ADEMCO Video AQM30E e-Series monochrome quad provides a high performance yet cost-effective processing solution for many standard four camera video installations.

The AQM30E incorporates an advanced digital video ASIC performing real time processing on the four monochrome 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 AQM30E features Automatic Gain Control to maintain constant video images, regardless of incoming signal strength.

The AQM30E 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 AQM30E 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 704 x 480 pixels in EIA format (704 x 525 for CCIR) the AQM30E provides superior image quality for quad view, single view and sequence viewed images.

The AQM30E'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.



AQM30E

FEATURES:

4-Camera Monochrome 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)

**ADEMCO
VIDEO**

AQM30E

ADDITIONAL FEATURES

Easy Operation

The AQM30E 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 AQM30E 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 AQM30E 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 AQM30E Quad Processor.

Automatic Gain Control

The AQM30E 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 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 AQM30E 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 AQM30E	EIA format (525 lines, 60 fields per second)
Models AQM30EX	CCIR format (625 lines, 50 fields per second)
Display Memory:	704 x 480 pixels for EIA704 X 525 pixels for CCIR9-bit, 182 gray steps
Display Rate	
-EIA	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)

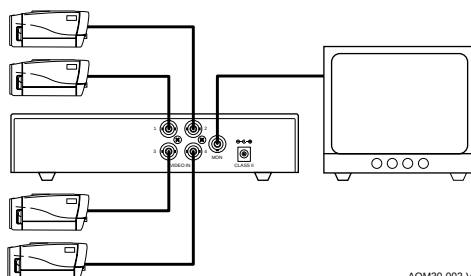
Power

Input Power Voltage	12 VDC
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Regulatory

Safety	CE
EMI	FCC

Typical System Diagram



AQM30-002-V0

Monochrome Quad Processor

ADEMCO VIDEO

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