

## HQM30E

### 4-CAMERA MONOCHROME QUAD PROCESSOR

Honeywell's HQM30E e-Series monochrome quad provides a high performance yet cost-effective processing solution for many standard four camera video installations.

The HQM30E 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 HQM30E features Automatic Gain Control to maintain constant video images, regardless of incoming signal strength. The HQM30E 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 HQM30E 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 HQM30E provides superior image quality for quad view, single view and sequence viewed images.

The HQM30E'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:

- 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)



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### FEATURES

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#### **Easy Operation**

The HQM30E 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 HQM30E 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 HQM30E 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 HQM30E Quad Processor.

#### **Automatic Gain Control**

The HQM30E 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 HQM30E 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.

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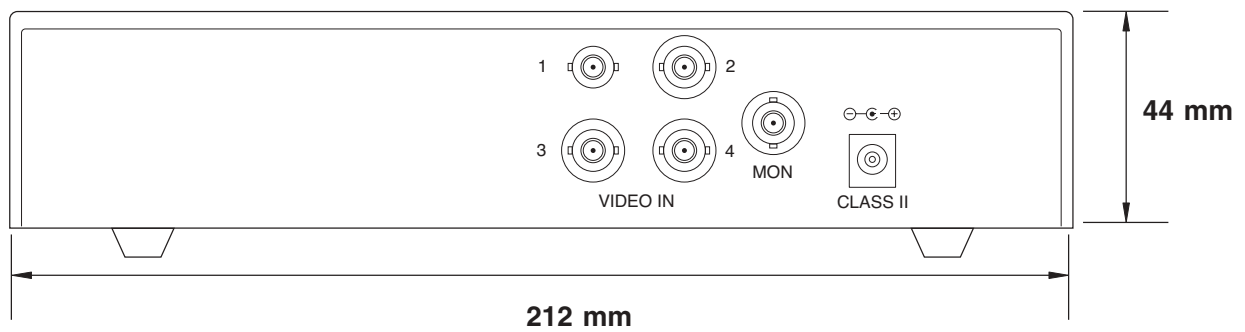
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### FEATURES

Operational	
<b>Model HQM30E:</b>	EIA format (525 lines, 60 fields per second), 120VAC, 60 Hz
<b>Model HQM30EX:</b>	CCIR format (625 lines, 50 fields per second), 230VAC, 50/60 Hz
<b>Display Memory:</b>	704 x 480 pixels for EIA 704 X 525 pixels for CCIR 9-bit, 182 gray steps
<b>Display Rate:</b>	EIA-30 frames (60 fields) per second CCIR-25 frames (25 fields) per second Dwell Time-3, 6, 9 second selectable through front panel buttons
<b>On Screen Display (OSD):</b>	On/Off (front panel selectable), Displays camera number on all display views
<b>Differential Gain:</b>	+/- 20% typical
<b>Differential Phase:</b>	+/- 20% typical
<b>S/N Ratio:</b>	53 dB typical
<b>Inputs:</b>	Video Inputs: Four 1 V p-p composite, +/- 20%, 75 Ohms, BNC
<b>Outputs:</b>	Monitor Output: One 1 V p-p composite, +/- 20%, 75 Ohms, BNC
Mechanical	
<b>Unit Weight: (including power supply)</b>	0.68 kgs (1.5 lbs) 1.2 kgs (2.6 lbs)
<b>Dimensions (W x H x D):</b>	8.3W x 1.1H x 6.2D in (212W x 44H x 158D mm)
<b>Temperature Range:</b>	40° F to 104° F (5° C to 40° C)
Power	
<b>Input Power Voltage:</b>	12VDC
Regulatory	
<b>Emissions:</b>	FCC: FCC Part 15 SUBPART B, Class B CE: EN 55022:1998 +A1:2000 Class B EN 61000-3-2:1995 +A1:1998 +A2:1998 +A14:2000

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Ordering	
<b>HQM30E</b>	Monochrome Quad Processor, EIA, 120VAC, 60 Hz
<b>HQM30EX</b>	Monochrome Quad Processor, CCIR, 230VAC, 50/60 Hz

**NOTE:** Honeywell reserves the right, without notification, to make changes in product design or specifications.

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