Calibur MMX-325CE

The Calibur Multiplexer/Matrix switcher offers a powerful solution for multicamera applications that require extensive display capability and superior recorded documentation. Cross point matrix switching is combined with multiplexed display and recording functionality. Full resolution pictures from up to 16 cameras are recorded while users view live multiplexed and switched pictures.

The MMX-325CE provides system expansion up to 32 cameras. Cameras can be viewed in multi-display formats on monitor A, while switched output is viewed on monitors B, C, D and E. Full resolution pictures from all cameras are recorded to a VCR. As the MMX-165C has Parallel Video Processing (PVP™), up to 60/50

The Calibur MMX-325CE, a 16-camera-input expansion module for the Calibur MMX-165C multiplexer/matrix switcher
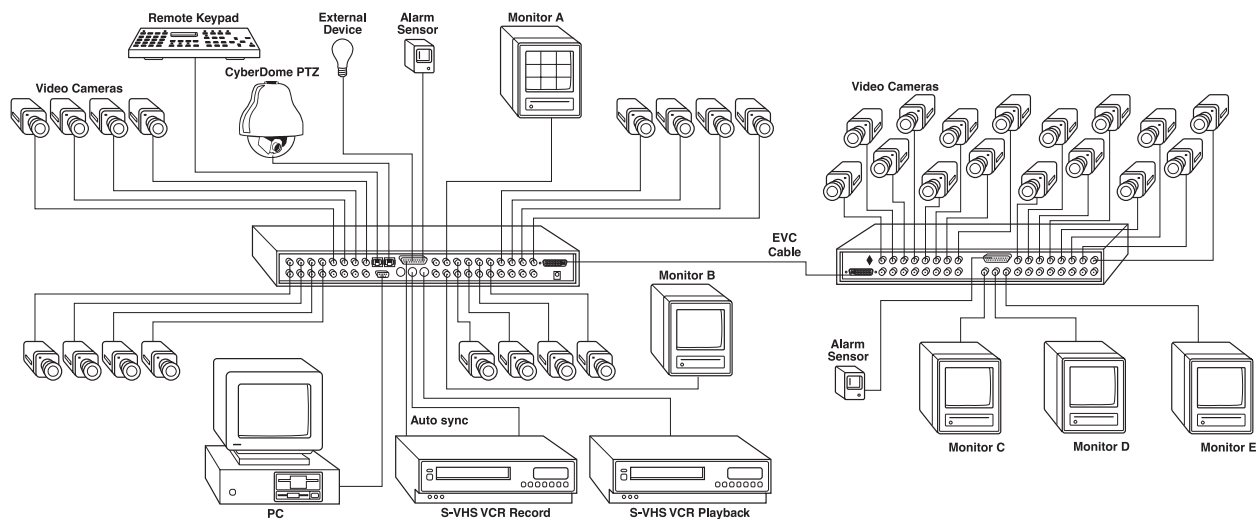
unique pictures per second are output to your VCR. This delivers more recorded documentation in 32 camera systems than previously possible with matrix switchers or more costly systems that used to combine matrix switchers with 2 multiplexers for recording. System expansion is completed with one simple connection.

The multiplexer/matrix switcher expansion module. Easily expands the Calibur multiplexer/matrix switcher to 32 x 5 and delivers unprecedented display and record functionality.

Features

- Expands multiplexer/matrix camera inputs from 16 to 32

- Expands multiplexer/matrix alarm inputs from 16 to 32

- Expands video motion detection (intrusion) from 16 to 32 channels

- Expands camera control: control up to 992 PTZs via RS-485

- One simple EVC cable connection completes expansion

System Diagram

The multiplexer/matrix switcher connects to up to 32 cameras when used with an expansion module. Five monitors can be used, one to view multiscreen display and four to view switched full-screen display. Two VCRs can be used, one to record and one to play back. VEXT connection assures automatic and precise VCR synchronization. One external alarm sensor can be connected per camera. Remotely controlled by a PC via RS-232 or RS-485. A total of 32 multiplexer/matrix switchers and keyboards can be connected to the same system.

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Technical Specifications

Video

Display memory: 2048 x 2048 memory array, 32 MB Live/Play plus 32 MB record=64 MB total display memory

Alarm Handling

Alarm inputs: 16 NO or NC setup in menus.

DB-25 Pinouts

Pin #	Designation
1-16:	Alarm inputs, NO or NC, programmable
17, 21:	Alarm out #1, NO or NC, isolated
18-20:	Ground
22, 25:	Alarm out #2, NO or NC, isolated
23:	Alarm acknowledgment. Input, NO
24:	VCR camera SWITCH INPUT (VEXT)

Expansion

EVC cable (supplied)

Miscellaneous

Input voltage: 12 VDC, 90 V – 264 V AC/DC adapter included

Power: 25 W nominal

Temperature: 0 to 40º C (32 to 104º F), operating

Relative humidity: 90%, noncondensing

Dimensions: 17.5 x 14 x 1.7 in. (444 x 360 x 43 mm)

Weight: 9 lbs. (4 kg)

Ordering Information

MMX-325CE: 32 x 5 expansion module, NTSC/EIA

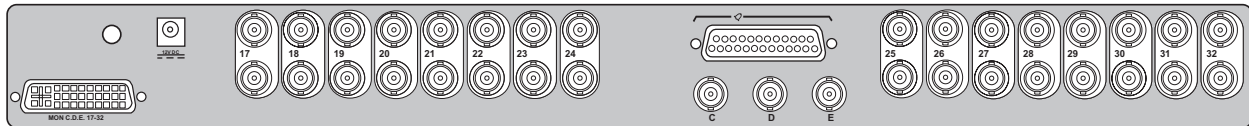**MMX-325CEX:** 32 x 5 expansion module, PAL/CCIR

CBR-KB3(X): Optional remote keyboard, includes motorized PTZ control capabilities

CBR-KB3/J(X): Same as CBR-KB3 but with proportional joystick control

CBR-RK2: Optional 1U rackmount kit

CBR-ALM: Optional alarm input module

CBR-PB2: Optional probridge for PTZ applications (contact Kalatel for available models)

Rear Panel Inputs and Outputs

Inputs

Camera: 16 looping, BNC connectors, NTSC/EIA or PAL/CCIR compatible, auto terminating. Conditioning AGC, 0.7 to 2.0 Vp-p video accepted.

Termination: Automatic ON/OFF 75 ohm on rear panel, per camera.

Outputs

Monitor: 3 BNC connectors, NTSC/EIA or PAL/CCIR compatible, full-screen switched.

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