

Matrix Chassis

Video BloX

The VideoBloX Matrix Chassis is superbly crafted from stainless steel, providing both an elegant look as well as excellent grounding capabilities and reducing the effect of static electricity problems.

Designed specifically to reduce the space required for a matrix switch, the chassis has a high density, low profile format. It will mount in an industry standard 19" rack and has a depth of less than 10". The compact design reduces rack size, saves space, limits the amount of interconnection cabling, produces less heat and is easier to install – all of which adds up to lower installation and maintenance costs.

Both video and audio switching can be performed in the same chassis, providing an easier configuration with enhanced features. Modules are small – occupying only 1/2U in rack height – and are position independent. The modules can also be removed with the power on, an essential feature in a security application.

The chassis includes a power supply module, which connects to the main power, preferably an uninterruptible power source (UPS). A secondary power supply, 12 to 24 VAC or 12 to 30 VDC, provides added security and system availability.

Multiple chassis can be interlinked – providing the system designer with the flexibility of distributing the system throughout the site or even to remote sites with the appropriate communications network.



Front View

AVBxU

FEATURES:

- Stainless steel fabrication
- High density, low profile design
- Audio and video switched in same chassis
- Modules are position independent
- Modules are "hot-swappable"
- Secondary power supply
- Multiple chassis may be interconnected

ADEMCO
VIDEO

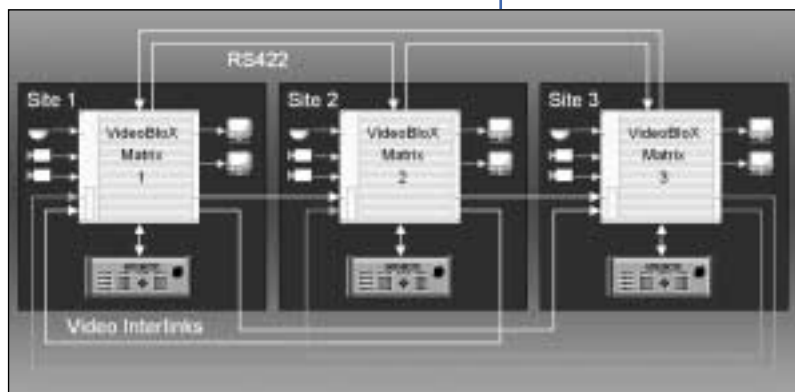
Matrix Chassis

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FEATURES:

Chassis Interlinking

Multiple chassis may be connected to a single CPU by interlinking. This is normally done to expand the capacity of a single chassis, or to expand beyond the capacity of a single chassis. Interlink modules are available to connect the outputs from one chassis to the other. The chassis may be immediately adjacent to each other and connected by ribbon cable or may be remote and interconnected by coaxial cable or other means of video transmission.



Satellite System Configuration

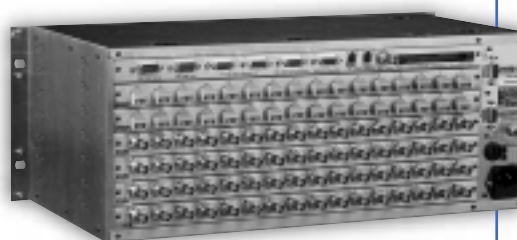
System Satellites

Multiple systems may be interconnected by satelliting, which enables systems to be distributed throughout a complex. Each satellite system would have a CPU and be interconnected such that one system may view and control inputs and outputs on one or more other systems. The interconnection between the systems would include RS422 for control and sufficient video trunks for live viewing of cameras. The interconnection between sites could be coaxial cable, fiber optic, microwave or other wide area communication that would provide near real-time video. Up to 15 satellite sites may be interconnected.

SPECIFICATIONS:

- Rack Depth: 9.646 inches (245 mm)
- Power Requirements:
 - 4U – 80 VAC
 - 8U – 120 VAC
 - 12U – 160 VAC
- Crosstalk:
 - Less than -60dB at 1 MHz
 - Less than -52dB at 4.33 MHz
- Noise: Less than -60dB
- Bandwidth: Four Hz to 20 MHz (-3dB)
- Differential Gain: Less than 1%
- Differential Phase: Less than 1 degree
- Switching Time: 50 micro Seconds
- Termination: 75 ohms or > 500 Ohms (termination switch off)
- Operating Temperature: 0° to 40° C

AVBxU



Rear View

ORDERING:

Part No.	Description
	Each Module occupies 1/2U of rack space – the chassis itself accounts for 1/2U

Chassis

AVB4U	Chassis 4U – 7.0" high – Accommodates seven modules
AVB8U	Chassis 8U – 14.0" high – Accommodates 15 modules
AVB12U	Chassis 12U – 21.0" high – Accommodates 23 modules

Interlink Modules

AVB32LKI	Provides 32 interlinks using a ribbon cable – Input module
AVB32LKO	Provides 32 interlinks using a ribbon cable – Output module
AVB16LNK	Provides 16 interlinks using BNC cabling

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