

DigiMATRIX



***9 and 16 channel
multiplexers
with 2 or 4
multiscreen outputs***

- High definition (13,5 MHz sample rate - 864 sample per line) colour multiplexers
- 9 or 16 channel equipment with 2 or 4 multiscreen outputs
- Looping video inputs on 4 channel equipment
- Software settable line termination (75 ohm)
- Available display mode: full screen, quad, multiscreen (6, 8, 9, 10, 16), PIP
- Video Motion Detector independently settable on each camera
- External alarm inputs independently settable
- Automatic video selection by time scheduling
- Exclusive "**MANAGER BUS**" that allows to control up to 10 **DigiMATRIX** by the same keyboards in order to expand outputs
- P/T/Z/ and speed dome cameras control with KEY.32 keyboard and DOME.D protocol interface

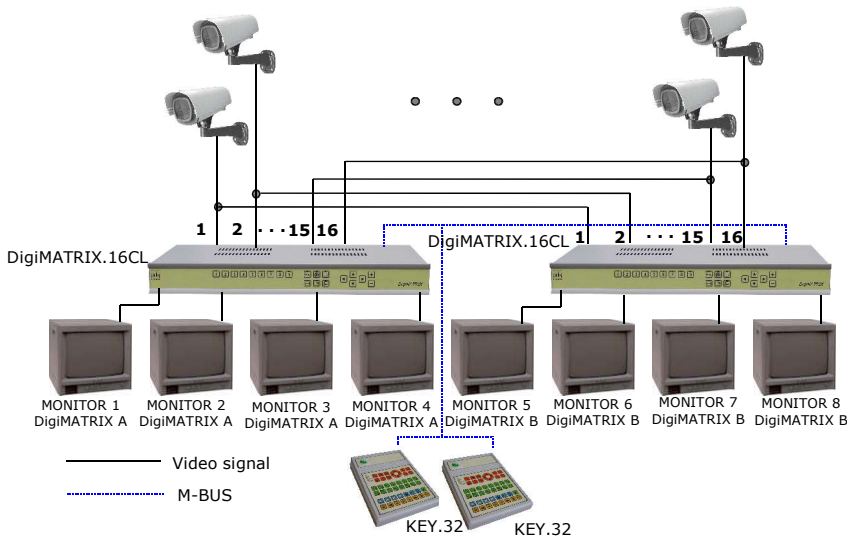
DigiMATRIX are equipment that joint typical features of analog matrices and digital multiplexers. DigiMATRIX are available in four versions according with the table on the right.

All outputs are fully digital and you can select the following display mode: full screen, split 4, split 6, split 8, split 9 and Picture In Picture; in addition on 16 channel equipment you have split 10 and split 16 display mode.

DigiMATRIX have on each output a character generator that encrusts into the image the date, the hour, the camera number and two 20 character alphanumeric strings for camera ID and system ID.

The user can select camera manually by the keyboard on the front panel or by the remote keyboards (use KEY.32 or KEY.32S). In addition, you can select cameras automatically according with scheduling, alarms or motion detection; motion detection is singularly settable camera by camera (16x16 enabling grid, size and sensitivity).

CODE	INPUTS	LOOPING IN	OUTPUTS
DGM.9C	9	NO	2
DGM.9CL	9	YES	4
DGM.16C	16	NO	2
DGM.16CL	16	YES	4



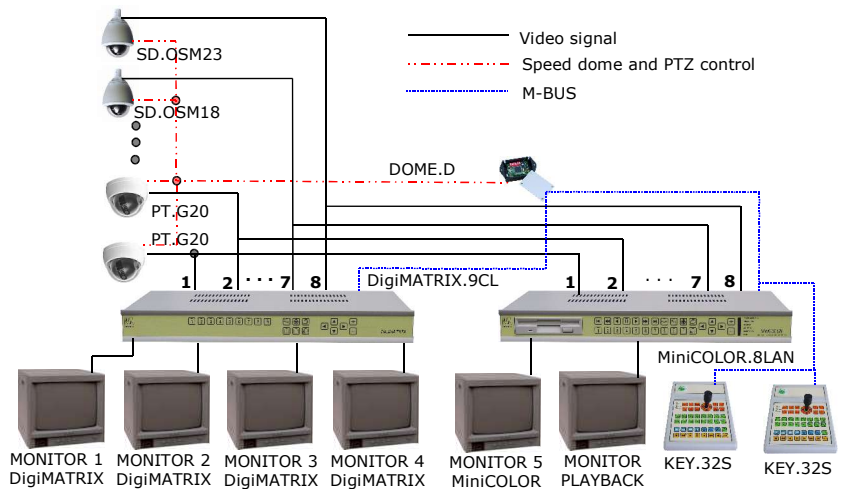
DigiMATRIX uses on the M-BUS a new protocol that allows to control up to 10 DigiMATRIX by the same keyboards (KEY.32 or KEY.32S). This feature and the looping inputs present on DigiMATRIX allow to expand in very easy way the outputs in a system (see picture on the left); obviously, if you want, you can use only one keyboard to control the entire system or, if you need, you can add 6 keyboards more in order to use one keyboard for each output.

All ERMES equipment have same protocol on the M-BUS, so you can obtain systems that use different kind of equipment (i.e. DVRs and DigiMATRIX) controlled by the same keyboards.

The following picture shows a system with two KEY.32S keyboards that control one DigiMATRIX-9CL and one MiniCOLOR-8LAN in order to obtain a system with 5 live monitors and one playback monitor.

In addition, this system, thanks to the DOME.D protocol adapter located on the M-BUS, can control speed domes or P/T/Z cameras.

SPECIFICATION	
Camera inputs	BNC connectors
Playback input	BNC connector
Video output	BNC connectors
Video signal	1 Vpp - PAL
Output bandwidth	7 Mhz / -3dB
Digital picture	720x560 pixel / 65.536 color
Alarms	9 or 16 user settable
Remote keyboard	Up to 4
Camera ID	20 charcters
Site ID	20 characters
Clock	With backup battery
Motion Detector	Settable on each output
Detection grid	16x16 (256 areas)
Signalling output	1 electronic reed - 100mA / 30 V
Clock from VCR	YES
Data storage	On Flash EPROM
Software storage	Flash EPROM (upgradable on field)
Microprocessor	16 bit / 30 Mhz
Setting	On Screen Menu
Power supply	220 Vac / 20 VA (external adapter)
Case	Desk 433x44x200 mm



RELATED EQUIPMENT	
	MiniCOLOR.8C/LAN 8 channel color Digital Video Recorder
	KEY.32 and KEY.32S remote keyboard for video selection, DVR playback and speed dome control.
	DOME.D protocol adapter for speed domes and P/T/Z cameras control

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