

Visilynx V3i

VIS3I-328

Compact Video Matrix

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- Compact video matrix 32 video inputs / 8 monitor outputs
 - 2 units cascadable: 64 video inputs / 16 monitor outputs
 - Video inputs with BNC loop-through, 75 Ohm termination switchable
 - Independent video loss detection per video input
 - Optional quad video output card
 - Multiple telemetry control protocols:
 - Coax telemetry control via BNC video line with MOLYNX-C
 - Variable speed control of PTZ and speed dome devices
 - Flexible text overlay with up to 18 characters and 14 rows
 - Multiple alarm handling
 - Support of V3-K and CKA4820 control keyboards
 - Satellite system support
 - Integration into video software IVM
 - Powerful programming software "VisiPC"

Application

The Visilynx 3i (VIS3I-328) is a 32 loop-through input by 8 output full cross-point video matrix node contained in a 19" wide by 3U high enclosure.

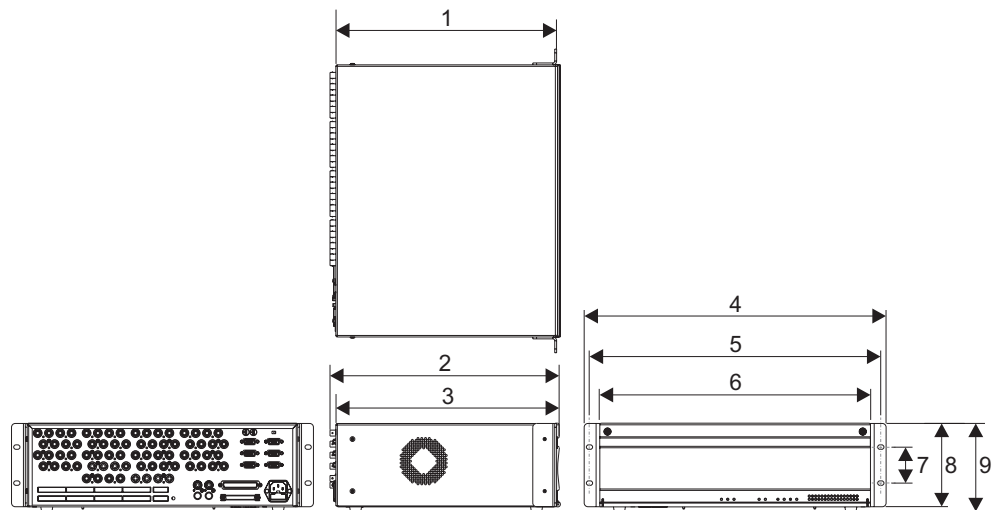
Two identical units can be connected together using an expansion cable to double the size of the video matrix to 64 loop-through input by 16-output full cross-point switcher. In this configuration, one of the two units can be set to be the master and this can connect to a Visilynx control network, whilst the other is set to be the slave unit. Up to 127 nodes can be connected together to form a distributed video switching network. The video connections between nodes are made by trunk connections. In a networked system, a keyboard at one node may view and control cameras, VCR/DVRs and multiplexers at any other node. It may also respond to alarms from other nodes. The number of video inputs from remote nodes that can be viewed at any one time is governed by the number of available trunk connections between the nodes. VIS3I-328 can be expanded, by fitting up to two optional Visilynx 3 quad cards (type VIS3-QUAD). In a single VIS3I-328 with 8 monitor outputs, each quad card makes available the equivalent of an additional 4 monitor outputs.

The main user interface device of the VIS3I-328 system is the Visilynx 3 keyboard. A single keyboard may be powered by a single VIS3I-328, and a further 15 keyboards (V3-K) with local power supplies may be addressed.

Each VIS3I-328 is designed to be used free standing (as supplied) or fitted into a standard 19" rack cabinet.

The VIS3I-328 is supplied with a powerful configuration and test software called VisiPC, which you should install onto a suitable PC. This forms the heart of the system's configuration and test capability.

Dimensions



1	352 mm	6	432 mm
2	365 mm	7	57 mm
3	356 mm	8	132 mm (264 mm for expanded VIS3I-328 Pair)
4	481 mm	9	140 mm
5	465 mm		

Technical data

	Single VIS3I-328	Expanded VIS3I-328 Pair
Video connections		
Camera inputs	32 BNC, 0.7 - 1.5 V _{pp} , 75 Ohm	64 BNC, 0.7 - 1.5 V _{pp} , 75 Ohm
Loop-through connectors	32 BNC	64 BNC
Monitor inputs	8 BNC, 1 V _{pp} 75 Ohm	16 BNC, 1 V _{pp} 75 Ohm
Video performance (nominal)		
Frequency response (-3 dB point)	> 5 MHz	
Chrominance delay	< 15 ns	< 18 ns
Chrominance gain	> 97 %	> 91 %
K-rating (2T pulse/bar)	< 2.2 %	< 4.0 %
Signal/noise ratio	> 70 dB (weighted) > 60 dB (unweighted)	> 70 dB (weighted) > 60 dB (unweighted)
Crosstalk (at 4.43 MHz, input to input)	-36 dB	-27 dB
Video matrix		
Single unit	32 i/p × 8 o/p	64 i/p × 16 o/p
Text insertion		
Field size	38 characters (text columns) 14 characters (text rows)	
Telemetry channels		
C-type channels	32	64
C-type carrier frequency	11.3 MHz	
D-type channels	32	64
D-type fixed termination per channel	120 Ohm	
Serial ports		
Interfaces	1 x RS232 3 x RS422/232	2 x RS232 6 x RS422/232
Keyboard interfaces	1 x RS-422/485	
Keyboards powered from keyboard port	1 VK3 only	
Serial port fixed RS422/RS485 termination	120 Ohm	
Other connections		
Alarm inputs	128	256
Relay outputs	4 SPDT	8 SPDT
Relay contacts max voltage	12 V DC	
Relay contacts max current	1 A	
Internal option cards		
V3-QUAD: quad card with independent BNC o/p	0 - 2	0 - 4
Power input		
Power requirements	110 - 230 V AC, 50/60 Hz	
Power consumption	2 A	4 A

	Single VIS3I-328	Expanded VIS3I-328 Pair
Physical – unit		
Design variants	3 U	6 U
Extra height of mounting feet	7 mm	14 mm
Extra width of rack mount brackets	50 mm	
Weight	8.80 kg	17.60 kg
Physical – package		
Dimensions (W × H × D)	481 x 140 x 365 mm	–
Total weight	12.70 kg	–
Storage conditions		
Ambient temperature, storage	-10 to +70 °C	
Operating conditions		
Ambient temperature, operating	0 - 40 °C	
Relative humidity	10 – 90 % (no condensation)	

Details for ordering

Type	Order No.	Designation	Weight
VIS3I-328	S54567-C750-A1	VIS3I-328 system unit	8.80 kg
VIS3I-PSU	S54567-B758	VIS3I-PSU with output connector lead attached	0.38 kg
VIS3-QUAD	S54567-B753-A1	VIS3 colour quad card	0.30 kg
VIS3-ALARMBOX	S54567-F759	Visilynx 3 alarm panel	1.00 kg
V3-K	S54561-C790	V3 keyboard	4.00 kg
CKA4820	2GF2400-8EC	CKA4820 keyboard	1.05 kg
VIS3-ALMCAB	S54567-K757	Visilynx 3 alarm cable	0.30 kg
VIS3-CONF	S54567-K754	Visilynx 3 configuration cable	0.20 kg
VIS3I-EXP	S54567-K755	Visilynx 3i expansion cable	0.30 kg
VIS3-KEYCAB	S54567-K756	Visilynx 3 keyboard cable	0.20 kg
VIS3-PCCONCAB	S54567-K752	Visilynx 3 PCCON cable	0.20 kg

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