

VideoMatrix VGA8x8/4x4



High-quality robust
video switching

with flexible
control mechanism for
marine systems

Switching 8/4 inputs to any of 8/4 outputs for unmatched marine system design flexibility

Full non-blocking ultra high bandwidth switching matrix guarantees high performance

Flexible control with dedicated BCD switches or up/down type control panels (one beside each display)

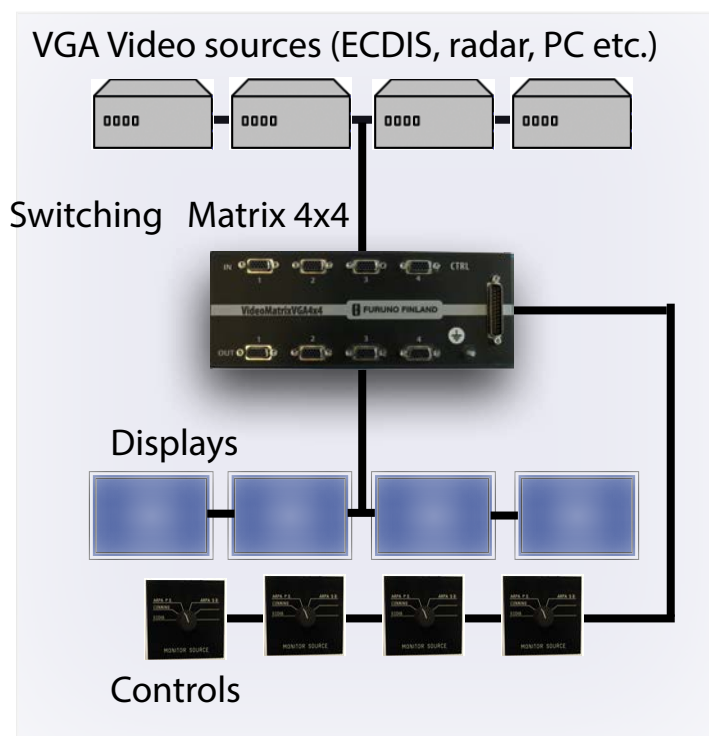
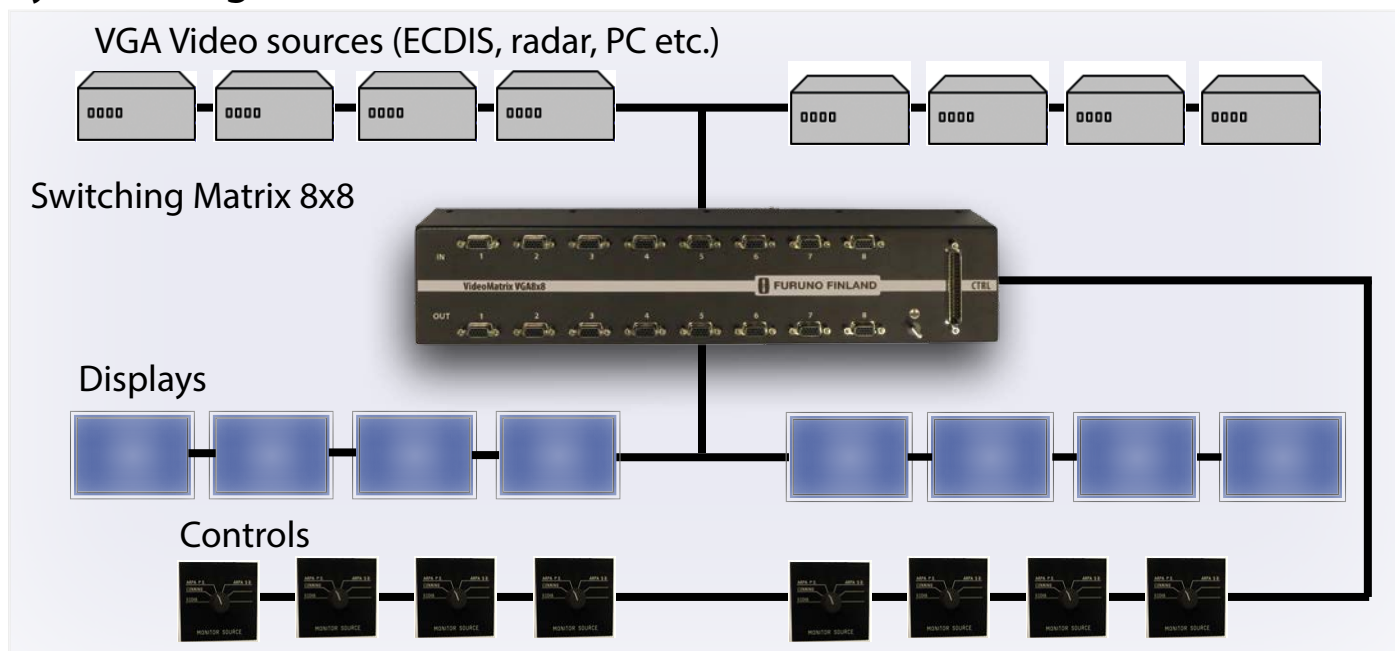
Control inputs opto-isolated for maximum safety

High resolution up to 1920 x 1200



FURUNO FINLAND OY

System diagram



Specifications

VIDEO	
Bandwidth	250 MHz
Signal level	1 Volt peak to peak @75 ohm
Connector	HD15 socket

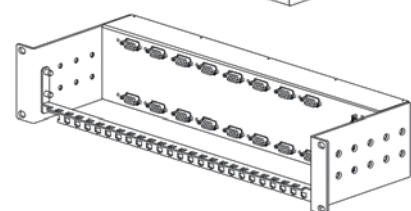
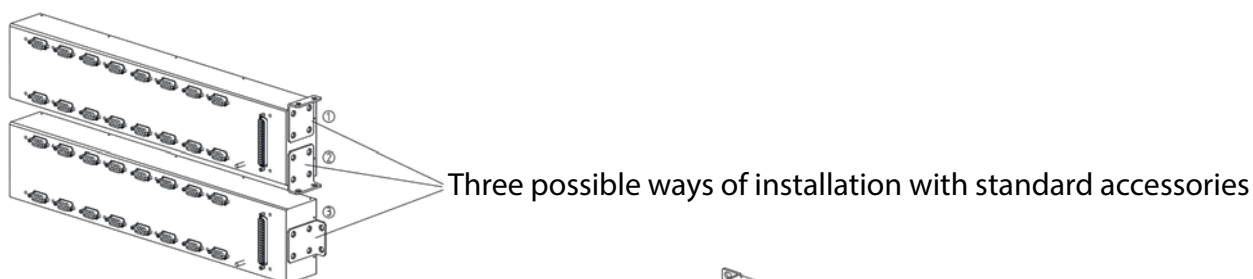
CONTROL	
Connector	D-37 male
Control type	OPEN/CLOSE opto-isolated switch per monitor 3 bits

MECHANICS 8x8 / 4x4	
Height	89 mm / 89 mm
Width	430 mm / 250 mm
Depth	50 mm / 30 mm
Weight	1,5 kg / 1 kg
Rack units	2U (only 8x8)

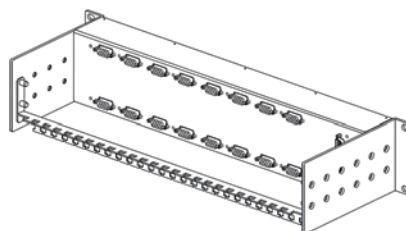
POWER	
Voltage	24 VDC / Max. 10 W

Installation alternatives

VideoMatrix 8x8

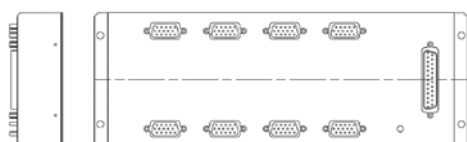


Rack mounting with optional rack mounting kit



Wall mounting with optional rack mounting kit

VideoMatrix 4x4



Wall or console mounting

Equipment list

VideoMatrix 8x8

STANDARD
1. VideoMatrix VGA8x8
2. Cable D-37 female – D-37 male (1 m length)
3. D-37 female pin terminal module
4. Standard installation parts

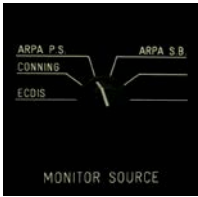
OPTIONAL
1. Rack mounting kit
2. BCD switches for controlling each monitor input
3. Up/Down type of control panel for each monitor input

VideoMatrix 4x4

STANDARD
1. VideoMatrix VGA4x4
2. Cable D-25 female – D-25 male (1 m length)
3. D-25 female pin terminal module
4. Standard installation parts

OPTIONAL
1. BCD switches for controlling each monitor input
2. Up/Down type of control panel for each monitor input

Matrix controls

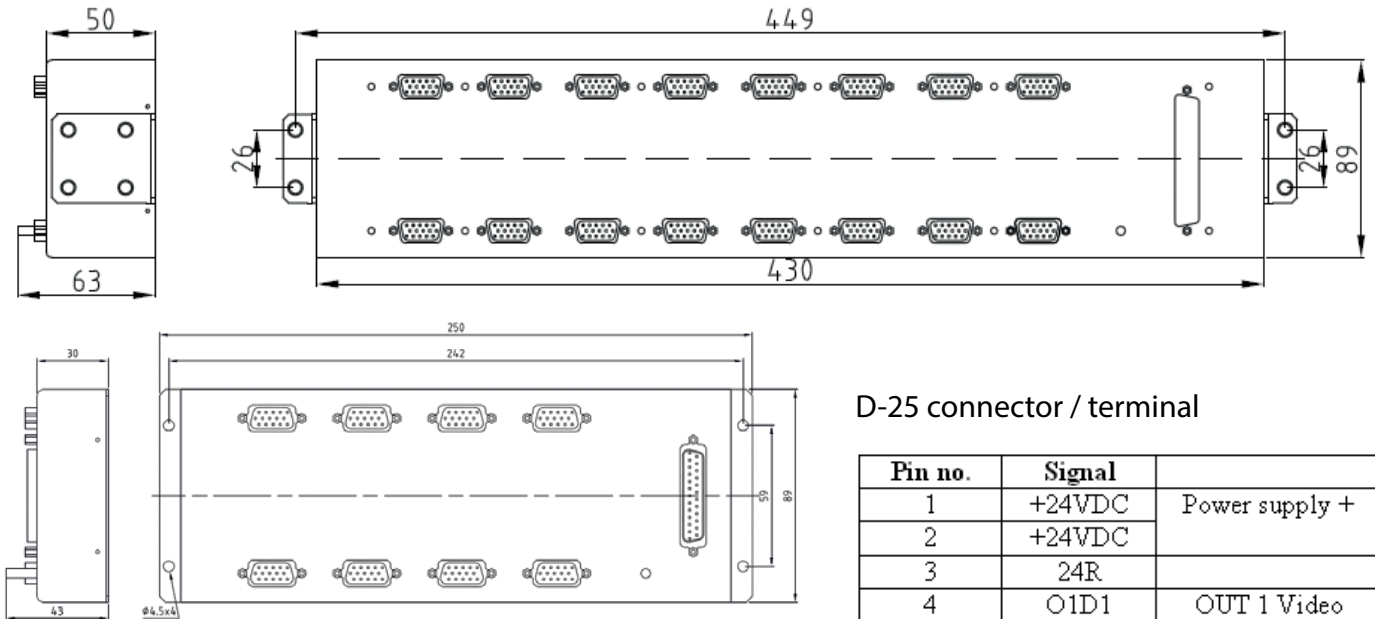


BCD switch with example configuration



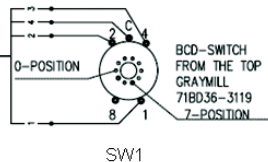
Up/Down type of control unit

Connection diagram and dimensions



D-37 connector / terminal

Pin no.	Signal	Power
1	+24VDC	Power supply +
2	+24VDC	
3	24R	OUT 1 Video control
4	O1D2	
5	O1D1	OUT 2 Video control
6	O1D0	
7	24R	OUT 3 Video control
8	O2D2	
9	O2D1	OUT 4 Video control
10	O2D0	
11	24R	Power supply -
12	O3D2	
13	O3D1	OUT 5 Video control
14	O3D0	
15	24R	OUT 6 Video control
16	O4D2	
17	O4D1	OUT 7 Video control
18	O4D0	
19	24R	OUT 8 Video control
20	O5D2	
21	O5D1	Power supply -
22	O5D0	
23	24R	OUT 5 Video control
24	O6D2	
25	O6D1	OUT 6 Video control
26	O6D0	
27	24R	OUT 7 Video control
28	O7D2	
29	O7D1	OUT 8 Video control
30	O7D0	
31	24R	Power supply -
32	O8D2	
33	O8D1	OUT 5 Video control
34	O8D0	
35	24R	OUT 6 Video control
36	O9D2	
37	O9D1	OUT 7 Video control
	O9D0	



D-25 connector / terminal

Pin no.	Signal	Power
1	+24VDC	Power supply +
2	+24VDC	
3	24R	OUT 1 Video control
4	O1D1	
5	O2D1	OUT 2 Video control
6	O2D0	
7	24R	OUT 3 Video control
8	O3D1	
9	O4D1	OUT 4 Video control
10	O4D0	
11	24R	Power supply -
12	NC	
13	NC	Power supply -
14	24R	
15	24R	Power supply -
16	NC	
17	24R	Power supply -
18	NC	
19	24R	Power supply -
20	NC	
21	24R	Power supply -
22	NC	
23	24R	Power supply -
24	NC	
25	NC	Power supply -

Details may change in the future due to continuous product development