

VS-40 Digitective

Real-time Videosensorsystem



Product information

The VS-40 Digitective is a self-contained CCTV monitoring system with a matrix and digital picture memory. A GEUTEBRÜCK system product with interfaces for easy connection to analogue and digital systems, and public protocols offering full flexibility for integration into higher level alarm management systems.

- | Picture evaluation in real-time
- | 64 alarm zones, adjustable in size, position, sensitivity and functionality
- | Measuring cycles that can be adjusted independently
- | Consequential suppression of false alarms
- | Up to 1000 modules in one system
- | Integrated in GEUTEBRÜCK GeViSoft / MultiScope III system architecture

Technical data

VMD and CU	3HU x 6HP (30 mm)
Rack	3HU x 19", depth from mounting face: 370 mm including rear connections, sub-rack: 320 mm handles 50 mm All connections on back side
Weight	
VMD	Approx. 0.3 kg
BGT	Approx. 3.1 kg
Control unit (CU)	0.25 kg
Power supply	
Mains voltage	VS-40/BGT (110 - 230 VAC \pm 15 %, 50/60 Hz)
Power consumption	BGT + 1 VMD: 10 W / BGT + 10 VMD + CU: 60 W
Detection zones	
VS-40/VMD-64S	64 zones, adjustable in size, location and function
VS-40/VMD-16X	4 x 16 zones per camera, adjustable in size, location and function
Field functions	Pre-alarm, main alarm, block alarm and suppression
Adjustment aids	On-screen, zone group displays with end, anchor and intermediate zones
Alarm evaluation	
VS-40/VMD-64S	Picture evaluation of every field in real time, measurement intervals adjustable: CCIR: 40 / 160 / 640 ms and 2.5 / 10 s, EIA: 33 / 133 / 533 ms and 2.1 / 8.5 s
VS-40/VMD-16X	Multiplexed picture evaluation, measurement intervals adjustable: CCIR (approx.): 240 / 640 ms and 2.5 / 10 s, EIA (approx.): 200 / 533 ms and 2.1 / 8.5 s
Adjustment aids	On-screen trace display for each measurement interval showing picture analysis
Settings	Windows 32-bit PC adjustment program VS40_SET2K
System capacity	
Addressing	Up to 1000 VMDs and 1 CU via serial interface
Group size	Recommendation: max. 50 VMDs or 5 BGTs
Freeze frame	
Number of pictures	4 fields or 2 frames per VMD
Resolution	Monochrome: 704 x 288 (field) or 576 (frame) pixels, 8-bit luminance per pixel (Storage of PAL or NTSC pictures with automatic standard recognition on)
Function	Alarm sequence, single picture per alarm sequence with pre-history (only for VS-40/VMD-64S). Integrated memory output function (only for VS-40/VMD-64S) for individual freeze frame video output via an unused video input socket output.
Video standard	CCIR (PAL, 50 Hz) or EIA (NTSC, 60 Hz), adjustable
Video inputs per VMD	
VS-40/VMD-64S	1 x BNC, 75 Ohm or high impedance with loop-through
VS-40/VMD-16X	4 x BNC, 75 Ohm or high impedance
Input voltage	Nominal 1 Vpp (max. 1.3 Vpp)
Video outputs	
Per VMD	1 x BNC, 75 Ohm
Common outputs	1 x live picture, 1 x freeze frame or manual live picture, 1 x recorder sequence or manual live picture
Control inputs	
Per VMD	Video select to output a, b, c, reset alarm, disarm VMD, external alarm in
Collective inputs	Reset alarms, disarm VMDs, enable video outputs, mode (user program) select 1 & 2
Per VMD	Alarm relay, video signal relay
Collective outputs	Alarm relay, video signal relay, recorder relay
System control	RS-485 and RS-232 (internal interface converter)
VS-40/CU	1 x RS-232 remote set-up
VS-40/CU	Central clock, time controlled mode switch, remote set-up
VS-40/GD	Galvanic decoupling per video input
G85/ICF	RS-232/RS-485 interface converters
G85/SP	Interface module for an additional RS-232 device

Technical alterations reserved

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