

MultiScope II plus 4x4

MultiScope II with up to 200 pictures/s recording rate



- The approved MultiScope II plus with 16 video inputs, 1 composite video output and quadrupled recording rate (max. 4x50 pictures/s)
- Particularity suitable for event recording with high picture rates
- For stand-alone use or in conjunction with a centralised video server

Technical data	
Video	
Video standard	Studio quality (sampling rate 13.5 MHz), CCIR/PAL, EIA /NTSC
Resolution	CCIR: 704 (H) x 576 (V) pixel (frame), 704 (H) x 288 (V) pixel (field), 352 (H) x 288 (V) pixel (CIF), 176 (H) x 144 (V) pixel (QCIF). EIA: 704 (H) x 480 (V) pixel (frame), 704 (H) x 240 (V) pixel (field), 352 (H) x 240 (V) pixel (CIF), 176 (H) x 120 (V) pixel (QCIF). 8 bit luminance, 8 bit chrominance
Compression	M-JPEG, in 13 compression steps and 4 picture formats (frame, field, CIF, QCIF) adjustable per camera input
Inputs	16 x composite (BNC-sockets), 1 Vpp / 75 Ohm
Recorded picture output	1 x SVGA-output (1024 x 768 x true colour)
Live picture output	1 x composite (BNC-socket), 1 Vpp / 75 Ohm
Storage media	
Internal, direct recording:	Up to 4 (E)IDE-hard disks
External, direct recording:	Optional SCSI-interface with up to 15 hard disks Raid systems available on request
Interfaces	
Serial	1 x RS-232, expandable using additional 4 x RS-232 port plug-in card (for remote camera control and / or connection of ATM, access control, cash register systems, etc. requires optional software MSC2/KF or MultiCom respectively)
Parallel	1 x Centronics (for printer etc.)
ISDN	S0-interface, via optional plug-in card or external Router
Ethernet	10/100 Base T, included in basic unit
Alarm inputs	16 control inputs, (active-low, with optional sabotage monitoring)
Control outputs	3 x volt-free, changeover relay outputs; 24 VDC / 1 A
PC keyboard, mouse	PS/2 connections
General	
Power supply	110-230 VAC/60 - 50 Hz $\pm$ 10%
Power consumption	Max. 200 W depending on hardware configuration
Mains input	IEC-320 Inlet
Operating temperature range	+ 5°C to + 40°C
Dimensions in mm:	
with rack mounting kit	19" x 4 HU x 437 (W x H x D)
desktop unit	450 x 185 x 437 (W x H x D)
Weight	12.2 kg
Recording	
Picture rate (PAL)	Up to 200 (4x50) pictures/s (field, CIF, QCIF) or up to 100 (4x25) pictures/s (frame) (single or multiple synchronized/line-locked cameras); typically 132 pictures/sec min. 100 pictures/sec (fields, CIF, QCIF), or correspondingly less for non interlaced pictures with several non synchronized cameras
Permanent recording	Individually adjustable picture rate, picture format and compression level per camera.
Event recording	Individually adjustable picture rate, picture format and compression level per camera, per event with optional pre-history. Events = alarm contact, serial command, AD, TCP/IP-command
Event trigger source	Integrated user configurable control inputs, and video sync. fail, optional AD 4 areas per camera, video contrast monitoring, optional serial command using MultiCom
Event reset	Automatic (adjustable time number of pictures) or depending using alternative trigger source as above
Playback	
Modes of operation	Single picture forward/backward, play forward/backward, adjustable fast play forward/backward, pause (still image), next event/previous event, first picture/last picture
Image search	Camera number, date/time, event source, MOS (motion search) or by serial event data, etc.
Picture display formats	Full screen and 4, 9, 16, 25 or 36 SVGA monitor only
Alarm/Event playback	Event controlled automatic display of alarm images via MultiView viewer client software locally and/or via network incl. ISDN (with MultiDial option) (user definable display modes per event; alarm still picture, playback from alarm event, virtual-live image, prehistory loop playback)
Manual Backup	
Picture archiving and playback	User selectable picture sequences from any MultiScope II can be saved and played back either locally on MultiScope II or on any MultiView workstation PC fitted with standard removable media drives (e.g. diskette, tape, CDR, DVD, etc.)
Further functions	
Sync. signal surveillance	In case of camera failure any event can be triggered, e.g. recording of neighbouring camera, relay connection and so forth
Cam Check - image reference function	A „snapshot“ of each camera picture can be saved in a separate camera-check file, for regular manual comparison with the current image in order to check for e.g. reduction in picture quality, camera movement etc.
User profiles	Multi-level password system with dual log-in option and user-dependent control panel facilities
Time management	Calendar based, time dependent control of permanent and/or event recording
MSC2/TM	
Camera remote control	Remote control of GEUTEBRÜCK and 3 rd party p/t/z camera and dome systems
MSC2/KF	
Optional functions	
Web server	Web browser access to MultiScope II picture database via LAN, WAN, Internet etc.
MSC2/WEB	
Activity Detection	Integrated motion recognition and video contrast monitoring for 4, 8 or 16 cameras
MSC2/AD-4/8/16	
Automatic backup	Automatic backup of specific groups of pictures to nominated drive e.g. removable tape media
MSC2/BC	
Mail transmission	Event-controlled e-mail and SMS messaging
MSC2/Mail	
Serial interface client	Event control of MultiScope II plus via RS-232 serial port (e.g. ATM, cash register, bar-code, VS-40 VMD). Includes user-configurable standard protocol SSP. Custom driver software modules on request
MultiCom	
Serial event client	Event triggered messaging via a serial port to e.g. building management systems.
MSC2/SerEvent	
Remote alarm connection	Automatic connection (e.g. ISDN, PSTN, LAN) for alarm image playback
MultiDial	
Camera Position	Continuous, automatic, anti-sabotage monitoring of camera position. (MSC2/CPA option)
Authentication	
MSC2/CPA	
Alarm management of analogue video outputs	Alarm/event driven recall of p/t/z dome camera preset positions and switching of single cameras or sequences to composite outputs. Text insertion into live video output is not supported.
MSC2/AM	
Audio	1 channel option for uni directional transmission of audio data in MultiView via the integrated sound card interface
H.320 live image transmission	Transmission of live pictures in H.320 standard to suitable equipped MultiView PC, standard H.320 receiver or video-phone
Order number	0.37420

Technical alterations reserved.