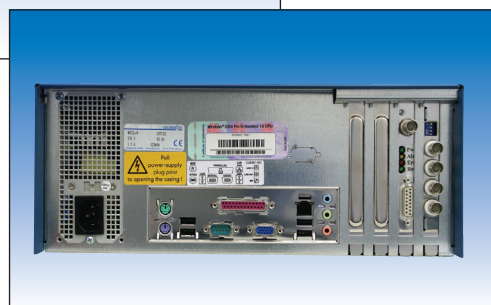


## MultiScope II plus 4/4C/4CI

Professional compact version



- MultiScope II plus in a compact size offering the full field proven MSC2 functionalities
- Compact design with 4 video input channels, 1 analog video output, 4 digital alarm inputs and 3 relays outputs
- Especially designed for small and medium-sized CCTV installations
- Can be integrated into existing MultiScope II networks
- Available in three versions (on configurable and two complete versions)

Technical data			
<b>Video</b>			
Video standard	Studio quality (scanning rate 13.5 MHz), CCIR / PAL, EIA /NTSC		
Resolution	704 (H) x 288 (V) Pixels (interlaced display), 704 (H) x 576 (V) Pixels (non-interlaced display), 352 (H) x 288 (V) Pixels (CIF), 176 (H) x 144 (V) Pixels (QCIF), 8 Bit luminance, 8 Bit chrominance		
Compression	M-JPEG, compression adjustable in 13 levels and 4 picture formats (non-interlaced, interlaced, CIF, QCIF) per camera input		
Inputs	4x FBAS (BNC sockets), 1 V <sub>pp</sub> /75 Ohm		
Output for recorded pictures	1x VGA output, Text output (text insertion to be activated via alarm management license)		
<b>Storage media</b>			
General	Storage capacity limited to max. 2,5 TB		
Direct recording:	Internally	2 (E)IDE hard disks MSC2+/4 or 1 (E)IDE hard disk	
	Externally	Optional SCSI interface with up to 15 hard disks, Raid systems available on request	
Data backup:	Internal	Floppy disk drive (included in basic scope of delivery), DDS4, CDR, DVD (MSC2+/4)	
	External	Via network link, or optional SCSI interface (MSC2+/4)	
<b>Interfaces</b>			
Serial	1x RS-232 (usable for camera remote control or for connections to ATM, cashier systems, etc. using MultiCom)		
Parallel	1 x Centronics		
Storage media	Basic unit (E)IDE, optional external SCSI via additional plug-in card (MSC2+/4 only)		
ISDN	S <sub>0</sub> interface, additional plug-in card (standard on MSC2+/4-CI) or Cisco router required		
Ethernet	Included in basic unit		
Alarm inputs	4 control inputs		
Control outputs	3x relay outputs; 24 VDC, 1 A		
PC keyboard, mouse	PS/2 connections at rear side of unit		
<b>General</b>			
Power supply	230 VAC/ 50-60 Hz ±10 %		
Power draw	approx. 120 W		
Mains input	appliance plug		
Temperature range	+5 °C to +40 °C		
Dimensions	19" built-in unit 3 HU x 420 mm (depth)		
Desktop unit in mm	342 x 132 x 420 (W x H x L)		
Weight	9.0 kg (basic unit)		
<b>Recording</b>			
Speed	Up to 50 pictures/sec. (interlaced, CIF, QCIF) or up to 25 pictures/sec (non-interlaced), using one or several synchronized cameras (mains synchronization sufficient); On average 33 pictures/sec. Minimum 25 pictures/sec (interlaced, CIF, QCIF) or correspondingly less for non-interlaced pictures with several non-synchronized cameras		
Permanent Event	Adjustable time interval from picture to picture per camera Event-controlled recording of individual cameras or camera groups with adjustable time interval from picture to picture. Event = Alarm contact, serial command, activity detection		
Acknowledgement	Optionally automatic (adjustable timer or adjustable number of pictures) or dependent on activity detection or status of alarm contact		
<b>Playback</b>			
Modes	Single picture, film, fast forward/backward, pause (frozen picture), time synchronized channels		
Speed	Adjustable time interval from picture to picture		
Picture retrieval	Via date, time, camera number, recording activation type, MOS (motion detection picture retrieval) or further criteria definable via serial link such as ATM transaction data, access card reader data, barcodes, number plate data		
Picture formats	Full screen and multi-screen display in 1, 4, 9, 16, 25 or 36 windows possible		
Automatic display	Event-controlled display of alarm pictures locally under MultiView/Win and via network (alarm picture, playback from alarm picture, live picture, playback incl. prealarm sequence)		
<b>Backup (manual)</b>			
Backup	Long-term picture archiving on various data media. Various picture sequences can be selected via filters (camera number, recording event, date/time from – to...)		
Playback	Locally on MultiScope II with corresponding drive. At any workstation PC with picture review software MultiView/Win with corresponding drive. Playback compatible with Windows NT, Windows2000		
<b>Further functions</b>			
Sync signal monitoring	Camera failure can trigger a user-definable event, e.g. recording of a neighbouring camera, relay switching etc.		
CamCheck reference picture function	For checking camera angle and picture quality		
User profile	Multilevel password system with 4-eye option and user-dependent environment		
Time management with calendar function	Time schedule dependent activation of permanent or event recording		
Camera remote control	Remote control of PTZ and dome camera systems		
<b>Optional functions</b>			
Web server	Browser access (Netscape, Internet Explorer) also via Internet depending on link		
Activity detection	Automatic motion detection and video signal monitoring for 4 cameras (standard on MSC2+/4-C and CI)		
Automatic backup	Automatic recording on various data media with criteria such as camera, events, ring memory etc.		
Mail transmission	Transmission of messages via mail services		
Serial event client	Transfer of parameterizable event messages to one of the serial interfaces (external device link, log printer).		
MultiDial	Automatic alarm pictures presentations cross LAN/WAN networks (standard on MSC2+/4-C and CI)		
CPA	Camera position authentication		
MultiCom	Serial communication Link (standard on MSC2+/4-C and CI)		
<b>Order number</b>	<b>MSC2+/4 0.37102</b>	<b>MSC2+/4-C 0.37002</b>	<b>MSC2+/4-CI 0.37012</b>

Technical alterations reserved