LINEARIS RM

LINEARIS RM offers in a 4 unit 19" rack case designed for industrial installations, the new hardware and software architecture of the LINEARIS series, which features new DSPs that allow for maximum video quality combined with a significant reduction in storage and bandwidth usage.

Thanks to its large internal storage in RAID 5 and a reliable cooling system, LINEARIS RM offers a considerable storage capacity (up to 1600 GB), allowing for months of video and audio recordings.

Up to 16 unsynchronized cameras (analogic / IP) can be connected to each LINEARIS RM unit, that can be used standalone or as a server, on any TCP/IP network without loss of performance.

• 4RU 19" rack enclosure

LINEARIS

LINEARIS is CIEFFE's new Digital Video Management System, a fully automated MPEG4 main profile system capable of reacting to external conditions without user intervention.
Available in a new configuration with 6, 12 or 16 input version, LINEARIS seamlessly combines various recording modes with internal motion detection features, fast search capabilities, external alarm inputs and built in relay outputs.

Its flexible architecture and proprietary MPEG4 Main Profile compression algorithm consistently deliver superior visual quality at exceptionally low file sizes. Recording time is thus dramatically increased while costs are significantly reduced.

LINEARIS is a mid-level solution, ideal for multi-site installations where high performance and reliability are required, together with exceptional video quality and high image rates.
The on-board DSP compression chips allow for storage of months of high-quality video and audio recordings at reduced HDD costs.

Every LINEARIS DVMS has a built-in web server, VisionWeb. It allows viewing of live or recorded images (with audio) as well as control of PTZ cameras over any TCP/IP connection within Internet Explorer web browser - no special software is required. Video quality is handled dynamically by the MPEG4 Adaptive technology, which allows exceptional results even over an extremely limited and fluctuating bandwidth. On constant connections, our MPEG4 Main Profile hardware compression demonstrates all the visual quality and detail LINEARIS and of its new generation DSP based architecture delivers.

• Loopthrough
• USB 2.0 support
• Auto-configuration wizard
• Full screen live
• Camera darkening detection
• Camera movement detection
• Privacy patch
• Full screen playback
• Alarm inputs
• Pre-motion recording
• Virtual zoom
• Image touch-up
• Image print
• Image/video export
• Image/video export authentication
• Network camera support
• Embedded operating system
• Firmware upgrade via network
• Compatible with existing networks

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LINEARIS^{RM} 16

LINEARIS RM 16

Video inputs	Up to 16 universal (analog / IP)
Loopthrough	Yes
Audio channels	8 mono
Spot monitors	Yes via NETTUNO
Local Spot Monitors:	Optional
Audio channels (bi-directional)	1
Alarm inputs (optoisolated)	16
Auxiliary outputs (relay)	16
Operator interface	VGA
Internal storage archive	1600GB (native)
Raid5 archive with hot swap disks	Yes
Recording speed	400/480* IPS @ CIF
	200/240* IPS @ 2CIF
	100/120* IPS @ D1
Resolution	720x576/720x480* D1
	720x288/720x240* 2CIF
	360x288/360x240* CIF
	180x144/180x120* QCIF
IPS per camera	From 1 IPS to 25/30 IPS*
Recording compression algorithms	MPEG4 Main Profile
Trasmission compression algorithms	MPEG4 Adaptive
Ethernet ports	Gigabit
USB port	Yes (v2.0)
Serial interface	RS.232
Keyboard / Mouse port	PS/2
Operating system	XP Embedded
Main processor	Intel P4
Power supply	110 / 220 VCA ± 10%
Power consumption	450 W
Operating temperature	5 – 50 °C
Relative humidity	8 – 90% non condensing
Weight	20Kg
Dimensions	435 x 550 x 177 mm

Easy to use "point & click" interface

The search interface displays months of recorded video

HIGH PERFORMANCE AND QUALITY
- No performance degradation with unsynchronised cameras
- Recording speed up to 400/480* images per second at maximum quality
- True Pentaplex Functionality – simultaneous recording, playing, viewing, archiving and transmitting at all times, regardless of image content or system activity
- Powerful networkability – true client-server architecture with full remote control via TCP/IP
- Compression algorithms MPEG4 Main Profile
- Hardware compression for guaranteed performance
- PTZ Control – fully integrated multi-vendor PTZ support with minimum latency
- Multibrand Network Cameras support

REAL TIME MOTION DETECTION
- Motion detection – integrated Dynamic Leading Edge motion detection, configurable for each input

FULL NETWORKING
- Powerful networkability – true client-server architecture with full remote control via TCP/IP
- Integrated web video/audio server for connections via Internet Explorer
- High quality video transmission on extremely low bandwidth

EASY TO USE
- Point-and-click graphic user interface for simple, immediate and precise control
- Visual Search – fast and easy access to all recorded material, simple and effective
- Flexible user management – control access to cameras, functions, bandwidth by user

TOP SECURITY
- Embedded hardware architecture
- Embedded operating system
- Integrated firewall for direct Internet connection
- Fault tolerant (RAID5) storage architecture

COMPATIBLE SOFTWARE
- RemoteControl - Full TCP/IP Client
- RemoteView - Simple TCP/IP Client
- VisionWeb - Internet Explorer TCP/IP Client
- SiteManager - Full TCP/IP Multi-server Client
- Cieffe Developer Kit API
- Cieffe VisionPocket

HARDWARE OPTIONS
- Internal CD/DVD writer
- External USB CD/DVD writer
- USB RS422/RS485 interface for dome control
- External RAID5 storage rack

CIEFFE are continuously in research and development and therefore reserves the right to alter specifications and prices without notice. For precise information, please contact your CIEFFE representative. Subject to change in design and specifications. Subject to error.

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