



# LINEARIS<sup>RM</sup>



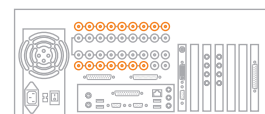
Linearis  
Linearis LE  
Linearis LC  
Linearis RM

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 1000 GB), allowing for months of video and audio recordings.

4, 8 or 16 unsynchronized cameras with bidirectional audio 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 or 12 inputs, or in the more traditional 4, 8 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.

For the first time LINEARIS offers a revolutionary scalable solution: the standard version, with 4 video inputs, can be updated to handle up to 16 inputs by simply buying new software licences, without the need for any additional hardware.

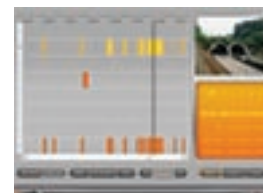
- Loophthrough
- USB 2.0 support
- Auto-configuration wizard
- Full screen live
- Camera darkening detection
- Camera movement detection
- Audio detection
- Privacy patch
- VGA and CVBS video interface
- Full screen playback
- Alarm inputs
- Open output collector
- Pre-alarm recording
- Pre-motion recording
- 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



LINEARIS RM	
Video inputs	Up to 16
Loopthrough	Yes
Audio channels	8 mono
Spot monitors	Yes via NETTUNO
Audio channels (bi-directional)	1
Alarm inputs (optoisolated)	16
Auxiliary outputs (relay)	16
Operator interface	VGA
Internal storage archive	1000GB (native)
Raid5 archive with hot swap disks	Yes
Recording speed	400/480 IPS*
Resolution	720x576/720x480*
IPS per camera	From 1 IPS to 25/30 IPS*
Recording compression algorithms	MPEG4 Main Profile
Transmission compression algorithms	MPEG4 Main Profile
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	400 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 &amp; click" interface



The search interface displays months of recorded video

### HIGH PERFORMANCE AND QUALITY

- No performance degradation with unsynchronised cameras
- Recording speed of 400/480\* full frame images per second at maximum quality and resolution
- True Pentaplex Functionality – simultaneous recording, playing, viewing, archiving and transmitting at all times, regardless of image content or system activity
- Multi-sector recording – multiple recording speeds, recording qualities and recording times for each camera
- 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

### REAL TIME MOTION DETECTION

- Motion detection – integrated Dynamic Leading Edge motion detection, configurable for each input
- Camera Boost – automatically increase or decrease camera recording rates in response to detected activity

### 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

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.

### 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 writer
- External USB CD writer
- External floppy USB LS240
- SCSI port
- 12VDC power supply
- 24VDC power supply
- USB RS422/RS485 interface for dome control
- External RAID5 interface for dome control
- External RAID5 storage rack

Italy - United Kingdom - Benelux  
New Zealand - Australia - Japan  
USA - Middle East - Singapore

2 year warranty

\* PAL / NTSC

### CIEFFE s.r.l.

Via Lavoratori Autobianchi, 1  
Edificio 23  
20033 Desio - Milano - ITALY

phone +39 0362 17935

fax +39 0362 1793590

[www.cieffe.com](http://www.cieffe.com)

[info@cieffe.com](mailto:info@cieffe.com)

### CIEFFE Benelux Bvba

Mechelsesteenweg 244  
B-1800 Vilvoorde  
Belgium  
Phone: +32 (0)2 253 2829  
Fax: + 32 (0)2 253 5293

### CIEFFE (Australia) Pty Ltd

59 - 63 Captain Cook Drive  
Caringbah, NSW 2229  
Australia  
Phone +61 (0) 2 9531-2122  
Fax +61 (0) 2 9531-2126

### CIEFFE (UK) Ltd

60 Priestley Road  
Surrey Research Park  
Guildford  
Surrey GU2 7YS  
United Kingdom  
Phone: +44 (0) 1483 300456  
Fax: + 44 (0) 1483 301456

### CIEFFE (NZ) Ltd

Gnd Floor, 180 Molesworth Street,  
P O Box 2789 Wellington,  
New Zealand  
NZ Freephone 0800 PROXIMA  
Phone +64 (0) 4 471-2179  
Fax +64 (0) 4 473-8619

