



# LINEARIS mini



Linearis  
Linearis MINI  
Linearis LE  
Linearis LC  
Linearis RM

LINEARIS MINI is the Embedded version of the LINEARIS series, capable of handling 6 or 12 unsynchronized cameras with bidirectional audio. All the features available in the LC and RM versions are also available in this fully embedded, non-PC based model. LINEARIS MINI is a very competitive platform - cost effective and high performance. User access is by LAN / WAN / xDSL / ISDN / Internet only.

The technical specifications, the exceptional network performance, the completely embedded hardware architecture and the superior video quality guaranteed by the new generation of DSPs, make

LINEARIS MINI the ideal solution for all sites, with not standard environmental conditions such as town distributed control, railways, undergrounds, but also pharmacies, drugstores, retail stores, convenience stores, private homes, and shopping centers, centralized through a network to private security companies.

Storage is provided on an internal 1.8" HDD, highly resistant to operating shock and ranging from 20 to 60 GB in storage capacity. LINEARIS MINI runs as a server on any TCP/IP network and can be completely controlled via the network through CIEFFE's suite of client software.

- Compact and light aluminium case



## 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 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 delivers 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. Revolutionary MPEG4 Adaptive transmission algorithm's impressive results are visible even at low bandwidth. The on-board DSP compression hardware allows for storage of months of high-quality video and audio recordings at reduced HDD storage and costs.



- Loophthrough
- Not PC based
- Linux Embedded Operating System
- USB support
- Autoconfiguration
- Full screen live
- Full screen playback
- Camera darkening detection
- Camera movement detection
- Bi-directional audio channels
- Relay outputs
- Alarm inputs
- Privacy patch
- Pre-motion recording
- Virtual zoom
- Image touch-up
- Image print
- Image/video export
- Image/video export authentication
- Firmware upgrade via network
- Compatible with existing networks





	LINEARIS MINI 6	LINEARIS MINI 12
Video Inputs	6	12
Loophrough	Yes	No
Audio channels	1	1
Audio output	1	1
Alarm inputs (optoisolated)	8	8
Auxiliary outputs (relay)	8	8
Internal storage archive	20/40/60GB 1,8"	20/40/60GB 1,8"
Recording speed	100/120 IPS* in CIF, 50/60 in 2CIF, 25/30 in 4CIF/D1	200/240 IPS* in CIF, 100/120 in 2CIF, 50/60 in 4CIF/D1
Resolution	4CIF/D1, 2CIF, CIF, QCIF	4CIF/D1, 2CIF, CIF, QCIF
IPS per camera	From 1 IPS to 25/30 IPS*	From 1 IPS to 25/30 IPS
Compression algorithm	MPEG4 Main Profile	MPEG4 Main Profile
Transmission algorithms	MPEG4 Main Profile MPEG4 Adaptive	MPEG4 Main Profile MPEG4 Adaptive
Max simultaneous connection	10	10
Ethernet port	10/100Mbit	10/100Mbit
USB port	Yes	Yes
Serial interface	RS.232 / RS.422	RS.232 / RS.422
Keyboard / Mouse port	No	No
PC based	No	No
Operating system	Linux Embedded on flash memory	Linux Embedded on flash memory
Main processor	MIPS32 400Mz	MIPS32 400Mz
Power supply	12Vdc ± 5%	12Vdc ± 5%
Power consumption	20 W	20 Watt
Operating temperature	5 – 55 °C	5 – 55 °C
Relative humidity	8 – 90% non condensing	8 – 90% non condensing
Operating shock	100G / 2ms	100G / 2ms
Operating vibration	0,67G / 22-500hz	0,67G / 22-500hz
Weight	2,3 Kg	2,3 Kg
Dimensions	230 x 190 x 64 mm	230 x 190 x 64 mm



Easy to use "point & click" interface



The search interface displays months of recorded video

#### HIGH PERFORMANCE AND QUALITY

- No performance degradation with unsynchronized cameras
- Recording speed up to 200/240 IPS\*
- True Pentaplex Functionality – simultaneous recording, playing, viewing, archiving and transmitting at all times, regardless of image content or system activity
- Compression algorithms MPEG4 Main Profile
- Transmission algorithms MPEG4 Main Profile and MPEG4 Adaptive
- 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

#### 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

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

- 12VDC power supply
- USB I/O extension board

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

3 year warranty

\* PAL / NTSC

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