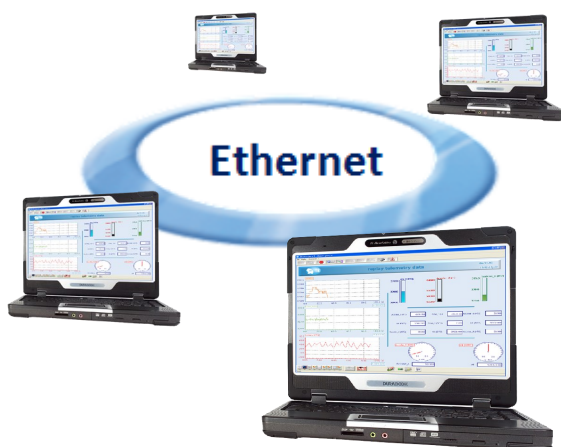


MAG_200/ETS

MAGALI PCM ETHERNET STATION



MAG_200/ETS



DESCRIPTION

MAG_200/ETS product is dedicated to PCM acquisition over IP Networks.

It combines multisource fast Ethernet acquisition, software frame synchronization and Best Source Selection.

Telemetry decommutation is tightly linked to network reception to guarantee performance and security.

MAG_200/ETS can be used either on board in toughed laptop or on ground with rack-mount controller.

KEY FEATURES

- Multisource **PCM Ethernet stream**
- Bit rates up to **100 Mbps**
- **Frame synchronization**
- **Best Source Selection (optional)**
- **IRIG 106 Class II, CE83 or CCSDS** format available
- Embedded messages extraction : **PCM, MIL-STD-1533, ARINC 429, Video, Voice, analog extraction**
- Real Time and Post Processing display and analysis
- **IRIG B time** input option

SPECIFICATIONS

INPUT

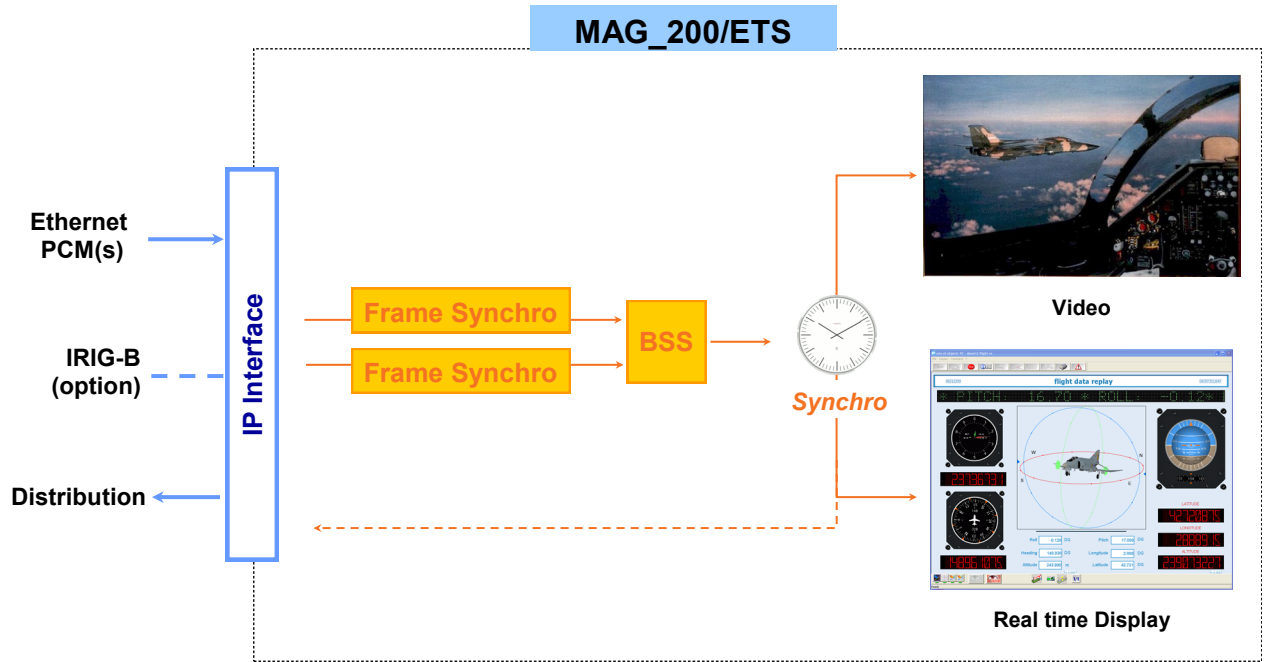
Protocol	TCP/IP, Multicast, Boadcast or Unicast
Input	From 1 to 8 input
Bit rate	1 bps to 100 Mbps. Faster rate on request
Interface option	Zodiac RTR, Lorin PCM-ETH
Best source selection	From 2 to 8 PCM source Selectable quality factor: AGC (if available), parity, frame CRC...

PCM FORMAT

Word Length	3 to 64 bits. Variable or fixed length
Minor Frame Length	2 to 16383 words per minor frame
Major Frame Length	1 to 1024 minor frames per major frame
Bit Order	MSB/LSB (word-by-word basis)
Frame Sync Pattern	Up to 64 bits
Frame Sync Location	Leading or trailing the frame
Frame Sync Strategy	Adaptive mode (search-lock-verify) or burst mode (search-lock)
Sync Error Tolerance	0 to 64 bits
Sync Slip Window	1 to 4 bits wide

VIDEO FORMAT

Video file format	MPEG-2 TS ; MPEG-2 ES ; MPEG-4 TS ; MPEG-4 ES ; MJPEG ; MJPEG2000 ; H.264 TS ; PCM_AUDIO ; CVSD_AUDIO ; ADPCM_AUDIO ; ALAW AUDIO
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DATA PROCESSING

Protocol	IRIG 106 Class II, CE83 or CCSDS
Signal list	From 1 to 50 000 parameters
Displays	Raw data display, Magali standard view
Status	Network, reception bit rate, frame lock, major frame lock.

ORDERING INFORMATION

MAG-200/ETS-X/1	1 telemetry stream ground station
MAG-200/ETS-X/2	2 telemetry stream ground station
MAG-200/ETS-X/4	4 telemetry stream ground station
/BSS	Best Source Selection
/IENA	IENA Ethernet module
/iNet	iNet Interface
/ZDS-RTR	RTR Zodiac Data System interface
/LORIN	LORIN PC METH interface
/1533	1533 Data extraction
/VIDEO	Video data extraction and display
/3D_VIRTUAL	3D Visualization - With standard 3D mobile and 3D terrain

X : R = Rackable, L = Laptop

*Specifications are subject to change.
Please, verify the latest specifications
prior order.*

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