

**FEATURES & BENEFITS**

**REAL TIME**

To secure very high quality of transmission, the system is designed with a real time digitizing technique.

**DIGITIZING**

Video are digitized on 10 bits to offer a quality of image equivalent to « broadcast production » with a signal to noise better than 67 dB

**DIGITAL MULTIPLEXING**

Multiplexing of digitize video protects against interference risk between video channel.

**PERFORMANCE**

Digital transmission is capable of constant quality of signal in the full optical dynamic range of the product.

**HIGH CAPACITY**

Up to 128 video channels on the same optical fiber with CWDM Technique.

**POWER SUPPLY**

Two "hot swap" redundant power supply .

**PLUG AND PLAY**

No setting are required due to the AGC circuitry on the video channels. Ethernet interface auto MDI-X. Web browser supervision.

**3 years warranty for peace of mind**

**DIGITAL TRANSMISSION OF 8 VIDEO SIGNAL AND ETHERNET MULTIPLEXED ON OPTICAL FIBER**



**Description**

HORUS08 system assumes 8 video channels transmission for each wavelength, different options associate data and IP 10/100 Mb channel on the same optical fiber.

HORUS08 equipment is capable to work in bi-directional mode on only one fiber.

CWDM technique used with HORUS08 allows real time transmission of up to 128 video channels on only one fiber.

Digital transmission technology at 2 Gigabits/s warranty, real time transport of the signal, without compression 10 bits digitizing process offer a signal to noise better than 67 dB.

An Automatic Gain Control on the video channels make the installation easier.

Two "Hot swappable" redundant power supply allow sourcing energy on two separate network.

HORUS 08 has been design to offer the smallest size possible, its 19" 1U chassis can be fitted in a rack without cooling space.

The equipment can be fitted either on front or back panel display is available on both side.

Two alarms are available on relay.

HORUS08 are equipped of alarm controller and can be supervised through Ethernet network.

This consultation is done with a browser giving the display of HTML format pages.

As an option control can be done with an integrated SNMP V1 agent. In this case the ERCA MIB is supply with the product.

### Video

Format	PAL, SECAM, NTSC and B/W
Channel number	8 by $\lambda$
Input level	1 volt +/- 3 dB
Setting	Automatic AGC
Input impedance	75 $\Omega$
Bandwidth	5,8 MHz at $\pm$ 0,3 dB 7 MHz at -3 dB
S/N	> 67 dB (CCIR 567)
Differential gain	< 1%
Differential phase	< 1°
Connector	BNC
Display	video presence

### Ethernet

Transmission IP (en option)	10/100 Mbs/s
Connector	RJ 45
Interface	Auto MDI-X
Display	Signal presence Activity

### Supervision

ERECA-NET HTTP	IP interface (Readable with browser)
SNMP integrated agent	(as option) MIB ERECA
Alarms	2 closure contacts

### Environmental

#### Temperature

operating	-10 to + 70°C
Storage	-10 to + 70°C
Humidity	95% non condensing
EMC	In accordance with CE standard

### Data

Bi-directional	As an option
Channel number	1
Protocols	RS 232, 422, 485
Data rate	0 to 115 000 b/s
Connector	Sub-D 9 HD
Display	TX, RX

### Optical

#### Mono directional

Wavelength	1310 or 1550 nm
Optical power	-0 or -10 dBm
Component	laser diode
Sensitivity min.	- 24 dBm
Sensitivity max.	- 3 dBm
Connector	SC/APC

#### Bi-directional

Wavelength	1310 and 1550 nm
Component	laser diode
Sensitivity min.	- 21 dBm @ 1550 nm
Connector	SC/APC

Display	
Transmitter	Laser faulty
Receiver	Synchro. faulty

### Power supply

Main	230 V ac, 50/60 Hz +10 /-15 %
transmitter	17VA
Receiver	17 VA
Redundant power sup.	2 « Hot-swap » PSU
Display	Main presence

### Mechanical

Size	19", 1U, 320 mm
Weight	3,2 kg

## CONTACTS

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