



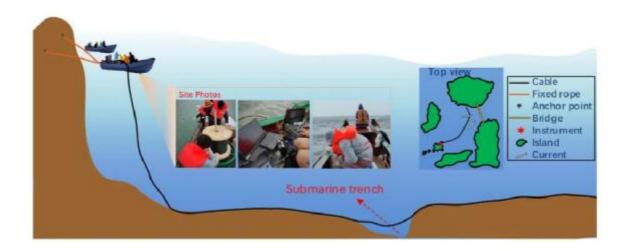
3C-OSP2800

OLP/OTDR/OPM FOR ONLINE FIBER MONITOR SYSTEM 20240328-1188



OLM Optical Cable Monitoring System

The optical cable monitoring system combines optical cable monitoring, alarm, fault analysis, location, fault management, line maintenance and line management to ensure the safe and efficient operation of optical cable network. It can carry out 24 hours all-weather automatic monitoring and automatic fiber switching protection, timely and accurate report of sudden optical cable failure, effectively shorten the fault duration, timely detection of hidden, but will cause communication blocking potential failures and accurate early warning to achieve active maintenance.



Product characteristics

☐ High integration

Business card precision design, small size, high density.

☐ Strong versatility

Support dozens of boards, compatible with optical transmission, optical protection, optical cable monitoring system applications.

□ Diver diversification

Can provide 3C-OSP2800I /II/IV 1 U、2U、4U different product form, suitable for different application combination.

Upgrade flexibility

It adopts plug and play design, easy to use, easy to upgrade, and short cycle of new function board.





Product Description

☐ 3C-OSP2800I **1U platform**

Provision 4+1 single board slot 4 business card,1 management card.

Support dozens of business cards, such as

OSW card, OTDR card.

Dual power hot plug,-48 V/220V optional.

Support serial port, WEB、SNMP、TELNET、
SSH management.

☐ 3C-OSP2800II 2U platform

Provision 8+2 single board slot 8 business card, management card 1+1 Protection.

Support dozens of business cards, such as OSW card, OTDR card

Dual power hot plug,-48 V/220V optional.

Support serial port, WEB、SNMP、TELNET、
SSH management.

☐ 3C-OSP2800IV 4U platform

Provision 16+2 single board slot 16 business card, management card 1+1 Protection.

Support dozens of business cards, such as OSW card, OTDR card.

Dual power hot plug, -48 V/220V optional.

Support serial port, WEB、SNMP、



3C-OSP2800I 1U



3C-OSP2800II 2U



3C-OSP2800IV 4U





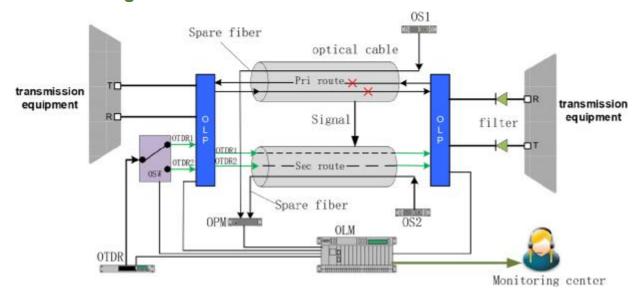
Main business card parameters

STATE OF THE PARTY	NMS	display screen	HD Dual Color LCD Display
		keying	Flexible and concise six key
		interface	RJ45、 Micro-USB
		Optical module slot	Support 100/1000Mbps SFP
	OTDR	Central wavelength	1550nm \pm 20nm/1625 \pm 20nm selectable
		Event blind zone	<2m
		Decay blind area	<12m
		Minimum sampling spacing	0.125m
		dynamic range	36/38/40dB selectable
		Maximum number of samples	32K
	OSW	operating wavelength	1260~ 1650nm .
		insertion loss	Typ: = 0.8 dB, Max: <1.2 dB
		repetitiveness	≤± 0.02 dB
		return loss	>50dB
		switching period	<10ms Adjacent sequential switching
		Connector form	LC/PC
**** ** ** ** ** ** ** ** ** ** ** ** *	ОРМ	number of channels	2/4/8/12/16 Optional
		Calibration wavelength	1310nm / 1550 nm
		power bracket	-70 ~ +3 dBm (off-line)
			-50~+23dBm(on line)
		accuracy	± 5%
2888	os	number of channels	2/4/8/12/16 selectable
		wavelengh	1550 nm
		Short-term output stability	\pm 0. 03dB/15min
		Long-term stability	± 0.1dB/8h (20C)
		Optical output mode	continuous output
		Connector form	LC/PC
		Projected wavelength	1625nm



		Reflection wavelength	1310/1490/1550nm
		Projection bandwidth insertion loss	≤1.0dB
	WDM	Reflective bandwidth insertion loss	≤0.80dB
		Projection bandwidth isolation	≥30dB
		Reflection bandwidth isolation	≥15dB

schematic diagram





OLM Network Management System

With the software function of monitoring system, it provides powerful real-time, online and automatic monitoring function of OTDR optical fiber, GIS map auxiliary resource management function, provides multiple alarm reporting mode, provides an effective means of monitoring and maintenance of optical cable network for relevant departments, and assists managers to master the quality of optical cable network. Greatly improve operation and maintenance performance and communication quality.



Characteristics of Network Management System

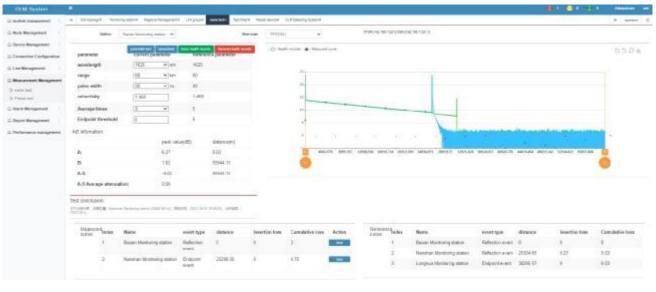
1.Test management: can provide roll call test, cycle test, alarm test and other monitoring modes

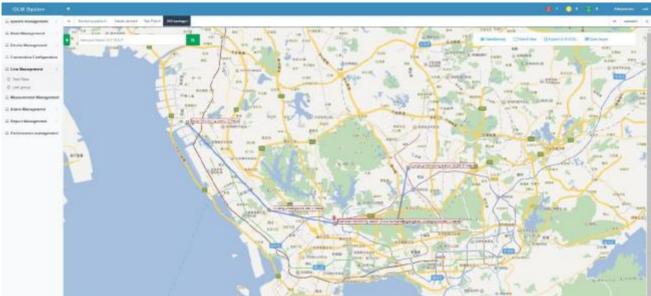






2. Fault location: according to the node distance and cable winding length of optical cable routing, the most direct and specific information of fault repair is provided.

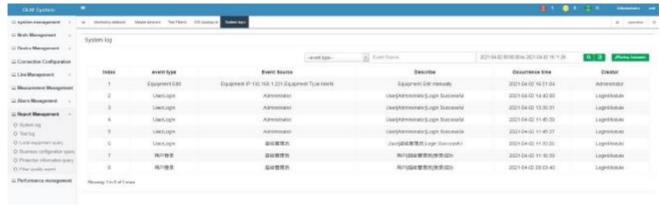




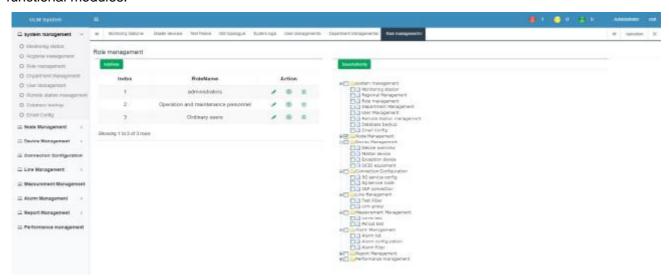
3. Decision support information: provide core line deterioration analysis, time deterioration analysis, fault type and cause statistics and other decision support functions.



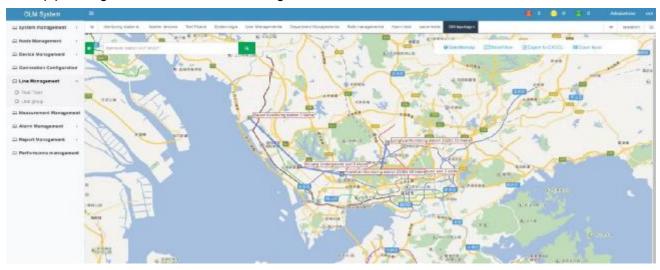




4.User level management: multiple access systems, different levels of user roles access different functional modules.



5.Graphical management: using the GIS platform system to realize the visual management of optical cable, pipeline, ground well, machine building and other resources.



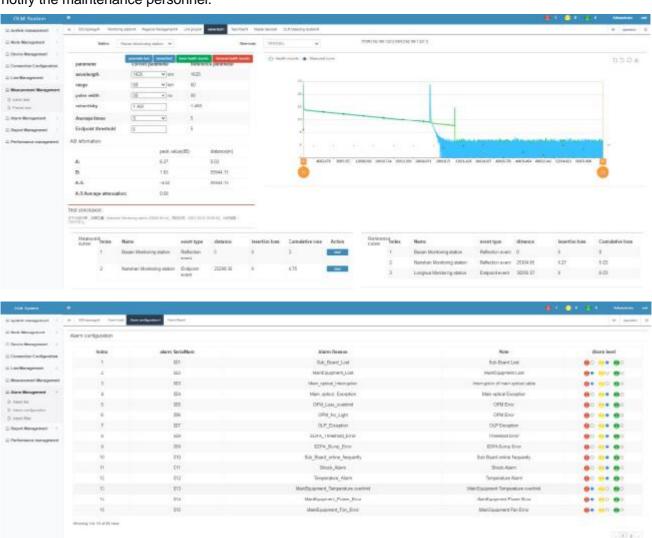
6. Historical data query: with complete historical data, convenient and fast query.





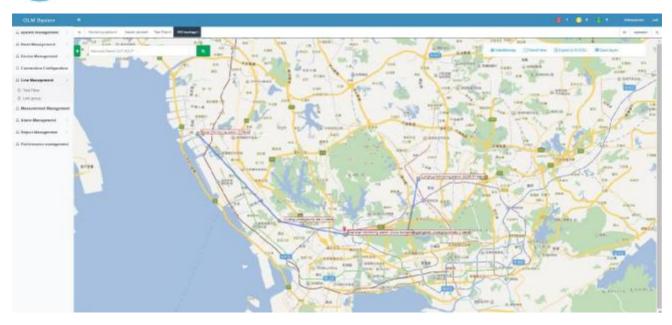


7.Timely fault alarm: through SMS and field sound and light and other alarm methods the first time to notify the maintenance personnel.



















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