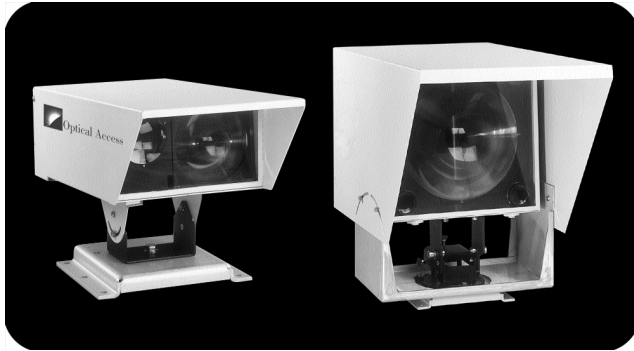


TERESCOPE 25



TereScope 25

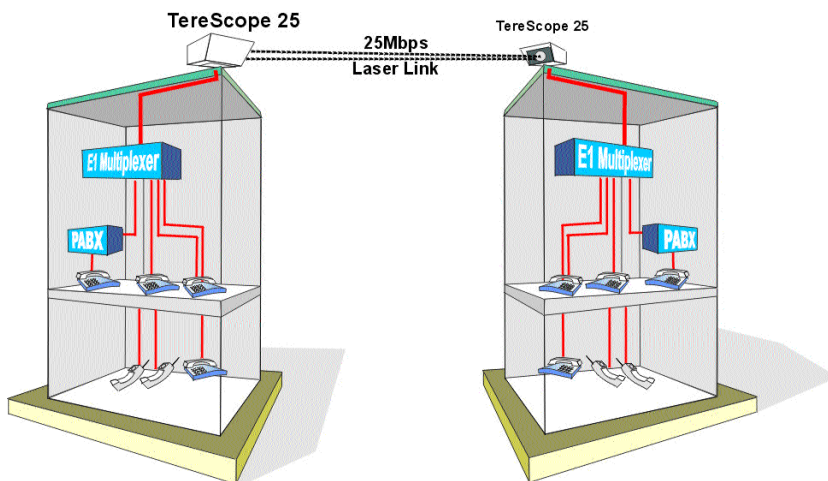
The TereScope™ systems provide direct, fiber-speed service to solve the data flow bottleneck often found in the last-mile. Created from the same technological building blocks existing in today's core networks, Optical Access' solutions are reliable, cost-effective and easy to deploy.

The TereScope 25 systems can be rapidly deployed to provide Open Pratical wireless links of 1-25 Mbps full duplex, at ranges up to 2.6 Km, with F/O interfaces. The TereScope 25 functions as a Virtual Fiber™, transparently operating under any protocol within the range of 1 to 25 MBps: Token Ring, E1/T1, E2/T2, Ethernet, etc.

These systems can be quickly installed throughout the metropolitan area.

The TereScope™ 25 provides high-speed wireless connectivity for Either Mobile, Video, Telecom or your campus LAN/MAN environment, when fiber optic cable is difficult to obtain.

The TereScope 25, like all Optical Access products is fully managed by MegaVision™, Optical Access' SNMP software.

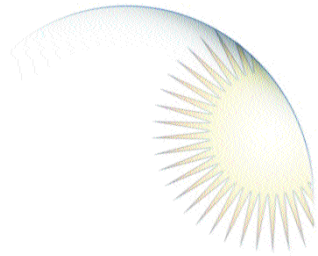


FEATURES

- Accommodates 1-25 Mbps networks, for any protocols within this range
- Distances up to 2.6 Km
- Fast deployment
- Full duplex; Full speed
- License-free operation
- Visual and receive power measurement alignment functionality
- Remote management options
- Selectable output power levels
- Secure transmission
- Eyes safety Class 1 or 1M
- Portable
- Low cost

APPLICATIONS

- Last-mile connectivity
- Multiplexed E1 connection
- Mesh networking
- Mobile BTS and PABX
- LAN/MAN environments
- Temporary or permanent installation
- Rapid deployment
- Disaster recovery
- Fiber back up
- Cross Border Links



TereScope 25 - Specifications

Model	TS802/ST	TS807/ST	TS811/ST	TS940/ST	
Code Number	TS25/B/DST/VS	TS25/C/DST/VS	TS25/D/DST/VS	TS25/E/DST/VS	
Application/ Data Protocol	Open Protocol, ST, F/O				
Performance	Rate	1-25Mbps			
	Range(1) @3dB/km	820m	1200m	2300m	3400m
	@5dB/km	730m	1050m	1850m	2600m
	@10dB/km	580m	780m	1300m	1800m
	@17dB/Km	460m	600m	950m	1300m
	@30dB/Km	350m	450m	670m	880m
Bit Error Rate	Less than 10 E-9 (unfaded)				
MTBF	8 years				
Transmitter	Light Source	1 LED	3 LED	3 VCSELs	4 VCSELs
	Wavelength	850 nm			
	Output Power	1mW	3mW	16.5mW	21mW
	Beam divergence	3mrad	3mrad	1.8mrad	2.2mrad
Receiver	Detector	Si PIN			
	Field of view	14mrad		5mrad	
	Sensitivity	-34dBm			
Interface	Type	Fiber Optic Tranceiver Multimode			
	Connectors	ST			
	Wavelength	850nm			
	Output power	-17±2dBm			
	Receiver operating range	-14 To -27dBm			
Power Supply	Voltage Range	Factory set: 230VAC @50Hz or 100-117VAC @60Hz or 24VDC (or 48VDC option)			
	Power Consumption	22W			
Environmental Information	Operating Temp.	-50 °C to + 50 °C			
	Storage Temp	-50 °C to + 70 °C			
	Humidity	Less than 90% non-condensing			
	Housing	Weatherproof			
Mechanical Design	Dimensions (mm)	412x268x155		713x364x480	
	Weight	Unit	4.5Kg		7Kg
		Accessories	3.0kg		3Kg
Diagnostics	Indicators	Airlink: Flag, Sync., Fiber Optic: Flag, Sync.			
	Selectors	Alignment Loopback Receive Signal Strength (Digital Display) Data Rate, Alignment, Loopback (local) Air Tx Output Power (attenuation [dB])			
Management	Optional board	Using UDP (IP protocol) for transmission of all indications (See Indicators)			
		Connector: RJ45, Compatible with Mega Vision			

- (1) @3dB/km = Light rain (5 -10mm/hr)
 @5dB/km = Light to medium rain (15-20mm/hr)
 @10dB/km = Medium to Heavy rain (45mm/hr) - Light snow - Thin fog
 @17dB/Km = Cloudburst(100mm/hr) - Medium snow - Light snow
 @30dB/Km = Rain (up to 180mm/hr) - blizzard - Moderate fog

TereScope 25 - Ordering Information

PRODUCT CODE	DESCRIPTION
TS25/B/DST/VS	TereScope802/ST, Optical Wireless, 350m Clear Channel Link-1-25Mbit/s, visual alignment (MM 820nm,DST).Power supply V1, V2, V3, V5.
TS25/C/DST/VS	TereScope807/ST, Optical Wireless, 600m Clear Channel Link-1-25Mbit/s, visual alignment (MM 820nm,DST).Power supply V1, V2, V3, V5.
TS25/D/DST/VS	TereScope811/ST, Optical Wireless, 1300m Clear Channel Link-1-25Mbit/s, visual alignment (MM 820nm,DST).Power supply V1, V2, V3, V5.
TS25/E/DST/VS	TereScope940/ST, Optical Wireless, 2600m Open Protocol Link-1-25Mbit/s, visual alignment (MM 820nm,DST).Power supply V1, V2, V3, V4.

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ML45956
 Rev.01 June 01

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