

# Lambda

## Rental of a high-capacity circuit built on WDM technologies

By breaking down the color spectrum of the light beam in the optical fiber, WDM technology enables the use of this fiber for transmission at capacities multiple times higher than before. Each wavelength – **LAMBDA** – offers the possibility of transmitting the same capacity point-to-point as would one fiber without the WDM technology. Dial Telecom operates a wide DWDM and CWDM network. In addition to the majority of significant Czech cities, this technology is also implemented at the international exchanges of Dial Telecom in Bratislava and Frankfurt. In cooperation with our long-term partners, it is possible to provide the **LAMBDA** service worldwide.

The DWDM network is built on the technology developed by Huawei Technologies, which over the long term has proven to be top quality and reliable and enables the transmitting of capacities up to n\*1 Gbps, n\*10 Gbps and n\*40 Gbps.

### WHO IS THIS SERVICE DESIGNED FOR?

This service is designed primarily for telecommunications companies, ISPs and content providers, as well as large corporate customers.

### THE SERVICE INCLUDES

- fully dedicated high-speed point-to-point data transmission
- clearly defined route
- 24/7 monitoring
- technical support for making required configuration changes

### BENEFITS OF THE SERVICE

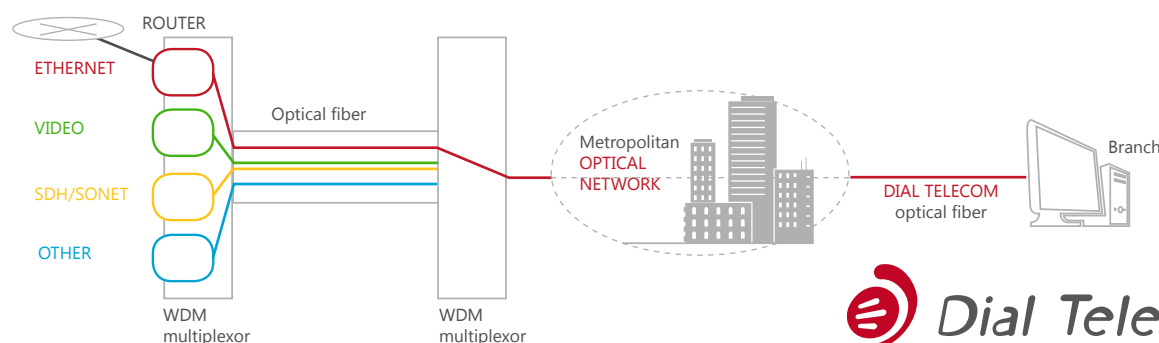
- high transmission capacities
- reliability
- high quality (minimum delay, jitter and packet loss)
- security of customer's data
- continual development of LAMBDA services with availability at most exchanges of the optical network of Dial Telecom in the Czech Republic
- the topology and extent of the optical network of Dial Telecom enables building rings in many locations
- possibility of SLA – guarantee of quality and service availability

### TECHNICAL SPECIFICATIONS (SUPPORTED INTERFACES)

- SDH: ITU-T G.691 a ITU-T G.957 (STM-64/STM-16/STM-4/STM-1)
- POS/ATM: Chained SDH as VC-4-4c/VC-4-16c/VC-4-64c
- SONET: OC-3/OC-12/OC-48/OC-192, STS-3c/STS-12c/STS-48c/STS-192c
- Ethernet, 1GE, 10GE LAN, 10GE WAN
- OTN – OTU1, OTU2, OTU2v
- ESCON (Enterprise system connection 200 Mbit/s)
- FC100 (Fiber Channel 1.06 Gbit/s)
- FC200 (Fiber channel 2.12 Gbit/s)
- FICON (Fiber channel 1.06 Gbit/s)
- FICON EXPRESS (Fiber channel 2.12 Gbit/s)
- DVB-ASI (Digital Video Broadcasting 270 Mbit/s)
- HDTV (High-definition digital TV 1.485 Gbit/s, 1.4835 Gbit/s)

The LAMBDA service represents a solution that corresponds to the growing need for data transmission capacity of telecommunication operators, ISPs and large corporate customers.

### LAYOUT OF THE SERVICE



 **Dial Telecom**  
Simply Connect.