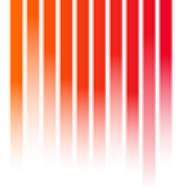
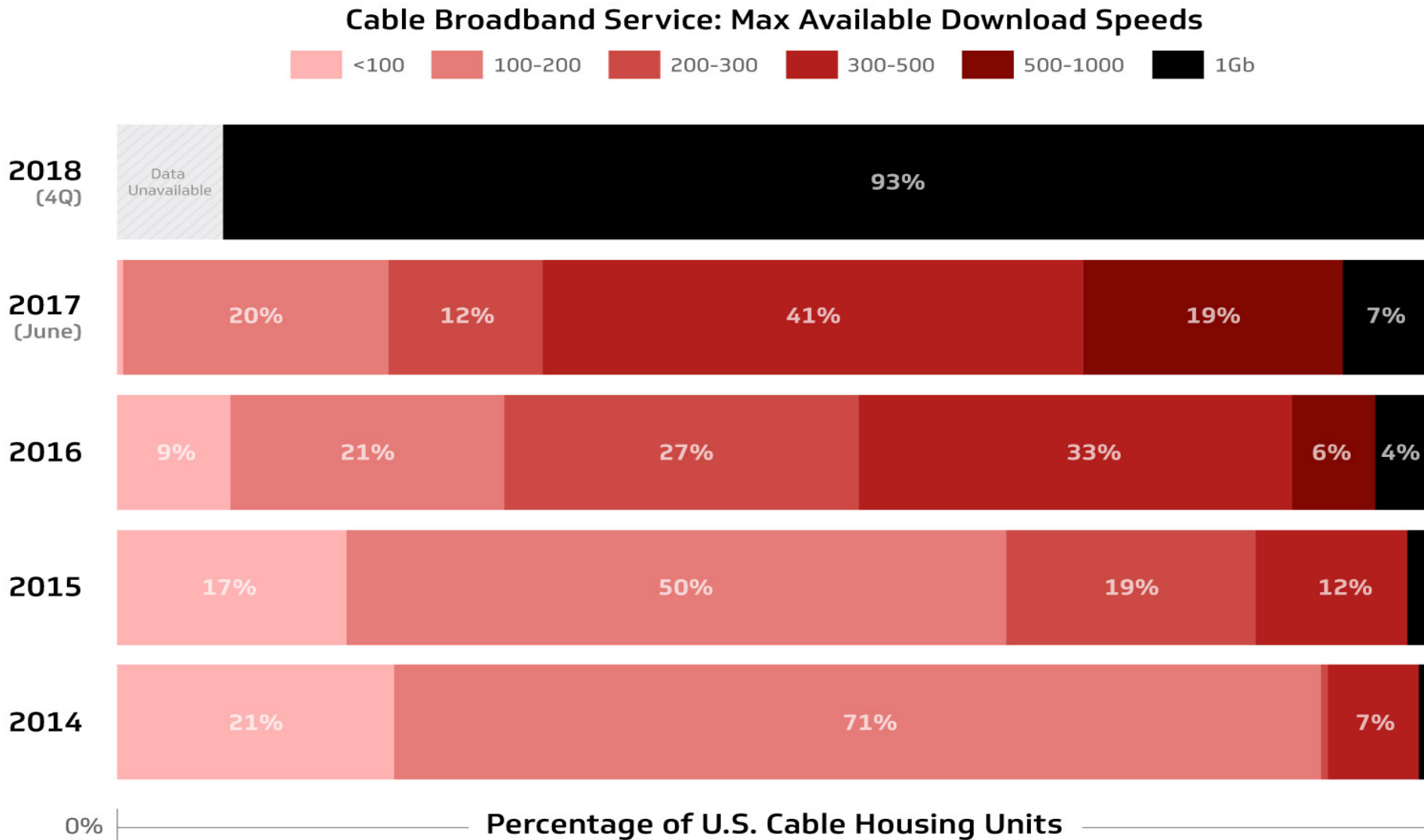


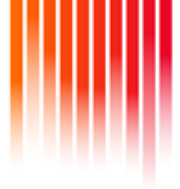
# 10G: The Future of Connectivity





# Gigabit Broadband Is Now A Reality





# What is 10G?

10G will deliver:

- Symmetrical speeds of 10 gigabits per second
- Lower latencies
- Enhanced reliability
- Better security



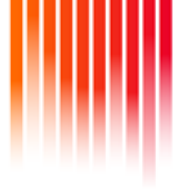


# Speeds: 10G DOCSIS

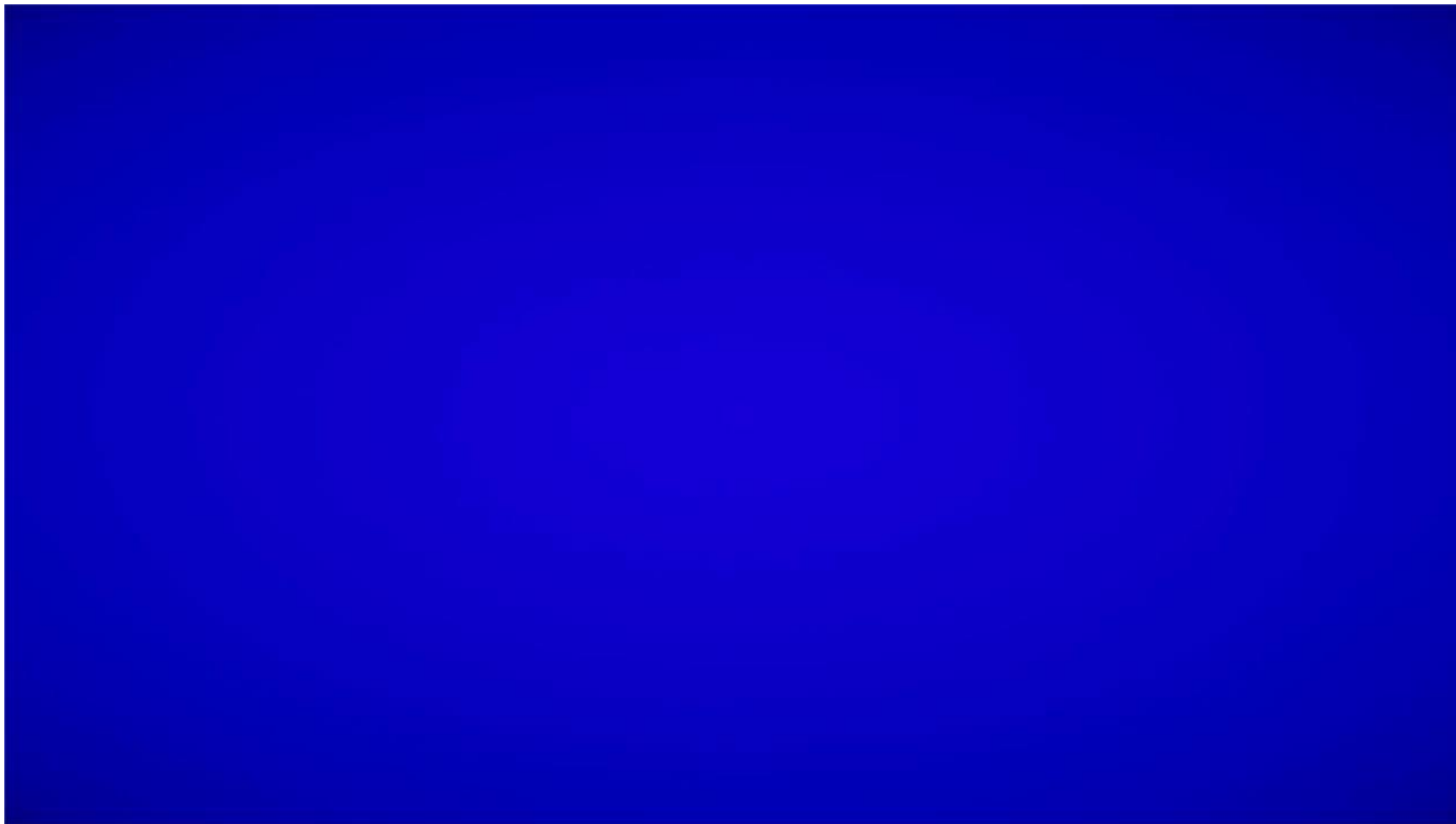
CableLabs®

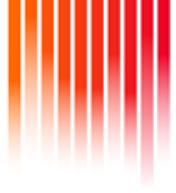
## The Evolution of DOCSIS

	DOCSIS 1.0	DOCSIS 1.1	DOCSIS 2.0	DOCSIS 3.0	DOCSIS 3.1	<b>FULL DUPLEX</b> DOCSIS 3.1
Highlights	Initial cable broadband technology	Added voice over IP service	Higher upstream speed	Greatly enhanced capacity	Capacity and efficiency progression	Symmetrical streaming and increased upload speeds
Max Downstream Capacity	40 Mbps	40 Mbps	40 Mbps	1 Gbps	10 Gbps	10 Gbps
Max Upstream Capacity	10 Mbps	10 Mbps	30 Mbps	100 Mbps	1-2 Gbps	10 Gbps

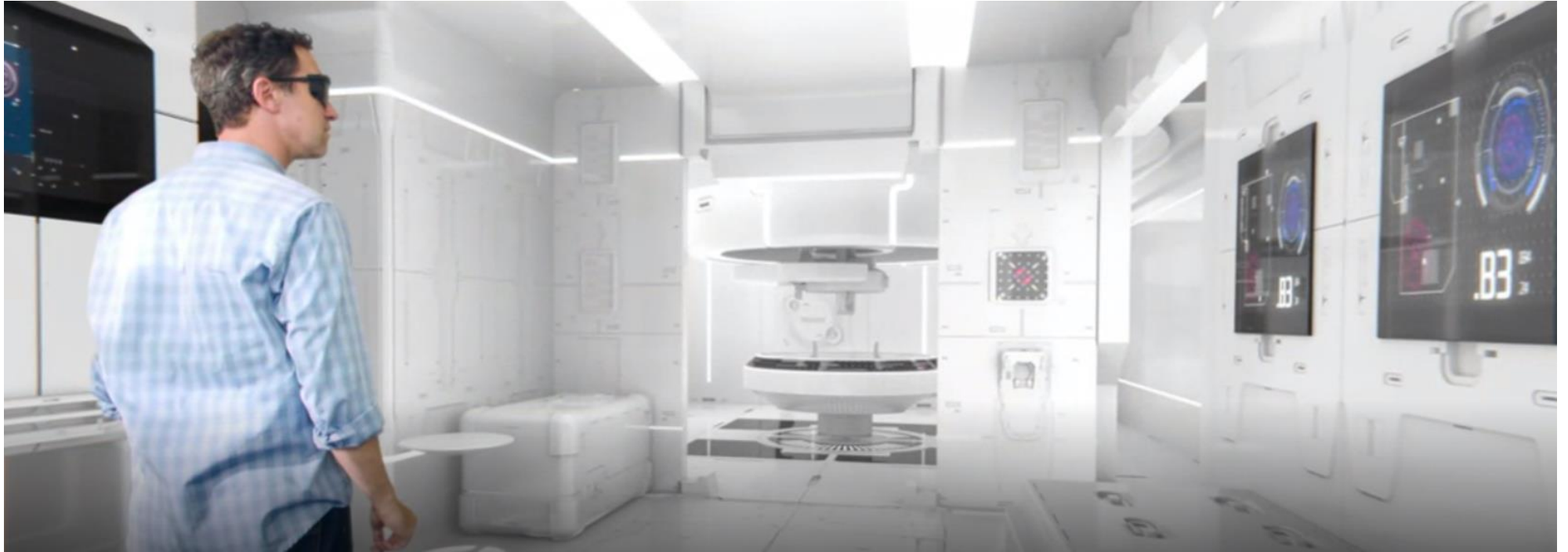


# What is 10G?

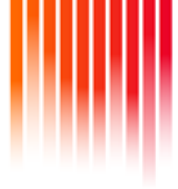




# Why Do We Need the 10G Platform?



10G will enable a myriad of new immersive digital experiences and emerging technologies that will revolutionize the way we live, work, learn and play.



# What Will the 10G Network Enable for Consumers?



**Streaming Video**



**Online Gaming**



**Healthcare**



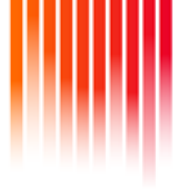
**Education and Telework**



**Business**



**Families and Friends**

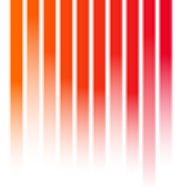


## Uncompromised Network Reliability

10G puts us on a path to a highly reliable network that will support our customers' needs at home and at work.



**RELIABILITY**



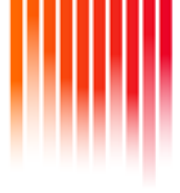
# A Safe and Secure Connected Future

10G will help provide a safe and secure connected future by focusing on:

- Prevention
- Mitigation
- Remediation
- Customer notification



**SECURITY**

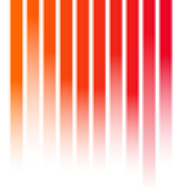


# 10X Faster Internet Speeds

A faster, high-bandwidth connection will enable emerging technologies, like:

- Virtual gaming
- Connected health monitoring
- AI assistants
- Self-driving cars
- Holodecks





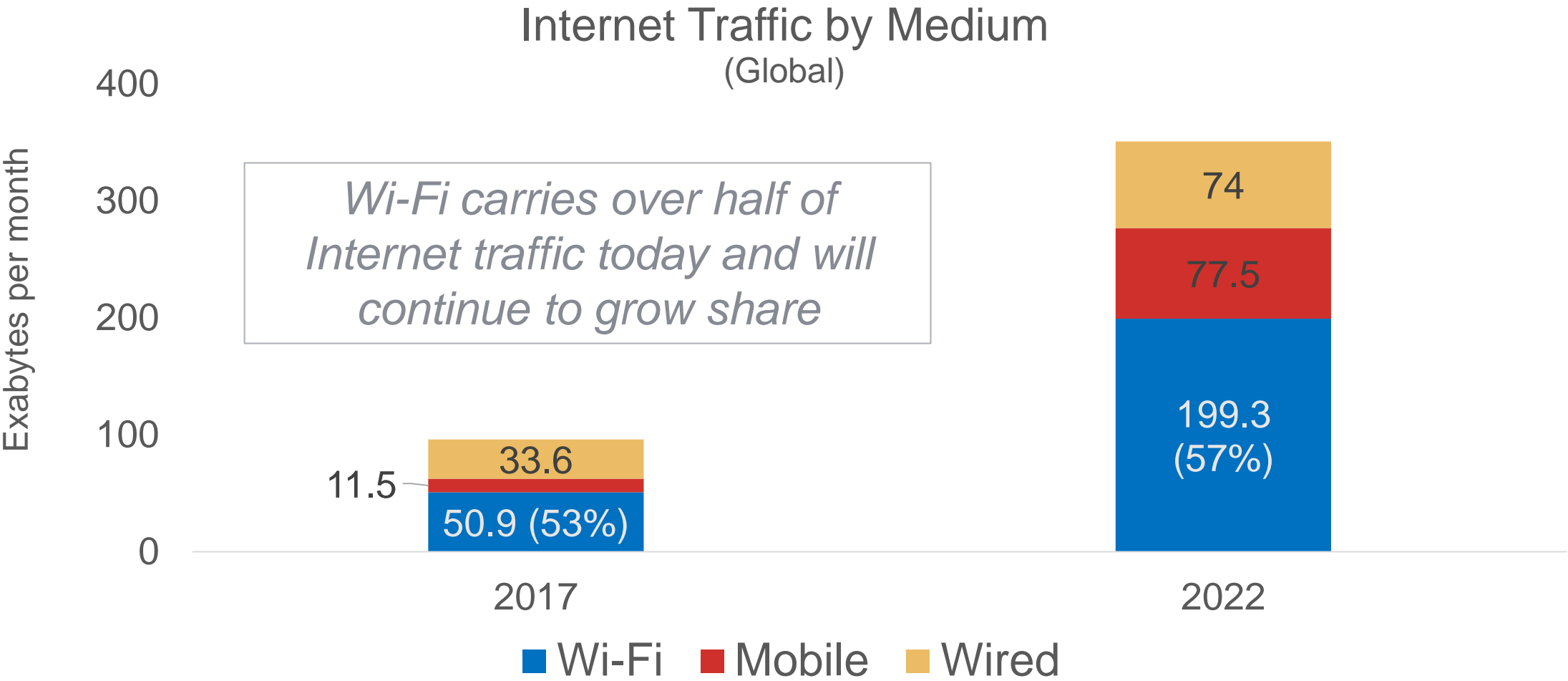
# Low Latency Enabling the Future of Technology

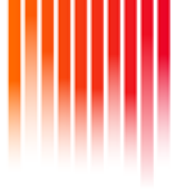
The 10G platform's low latency will enable the interactive and future experiences like:

- Holodecks
- Light field displays
- 360° video



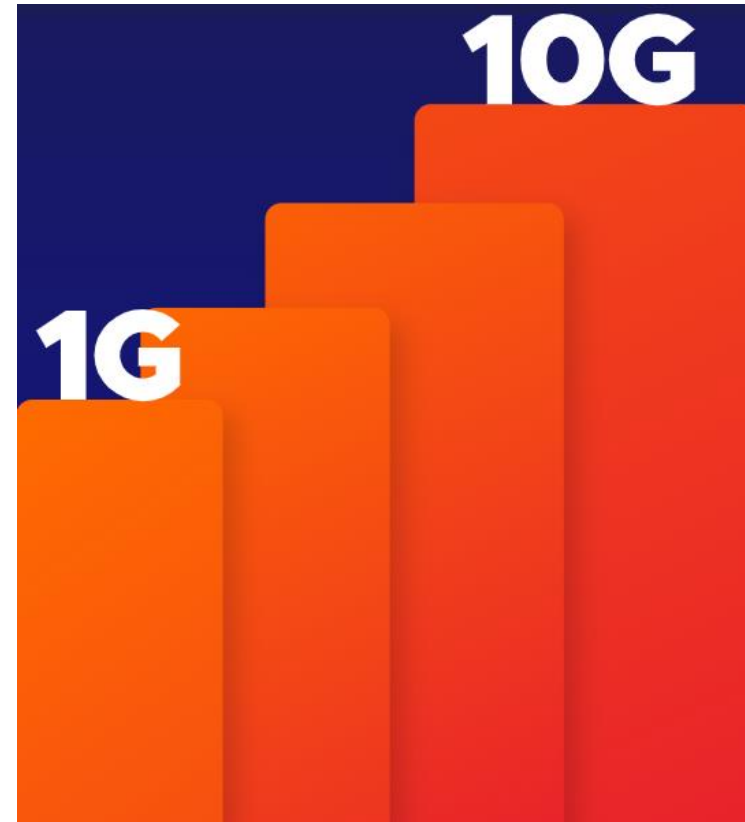
# Wi-Fi Will Remain Huge



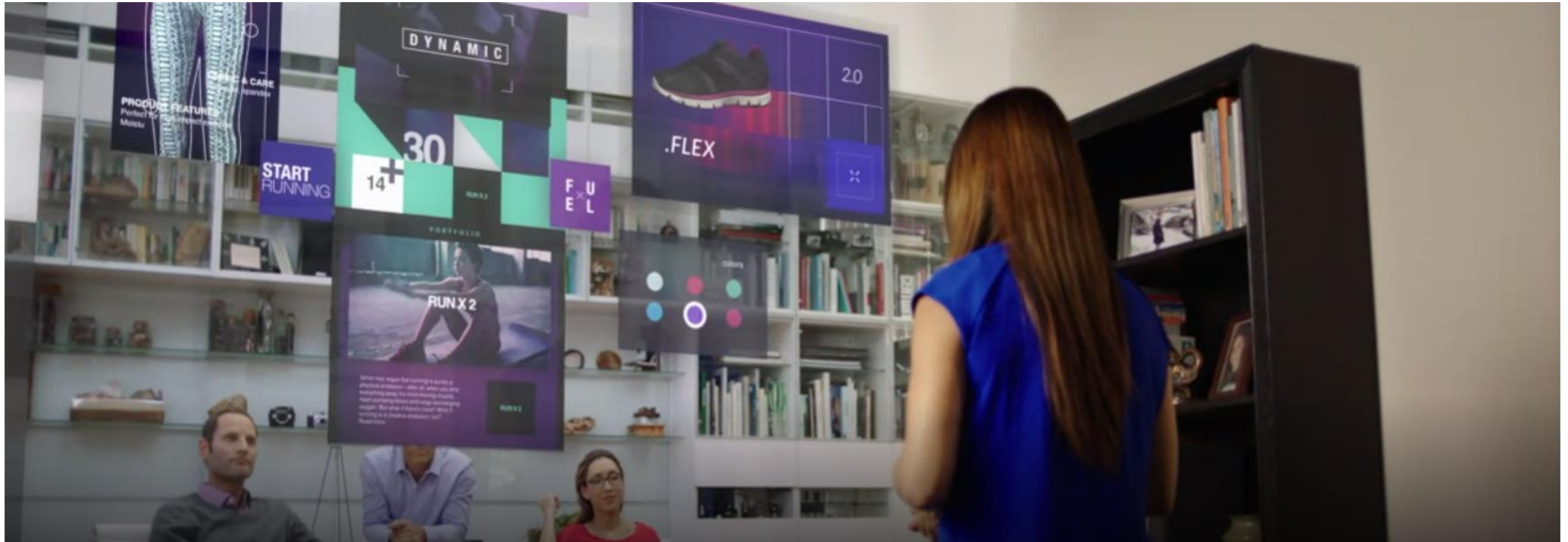


## The 1<sup>st</sup> Gig

With internet speed and capacity ushering in the Gigabit era, 1G is laying the groundwork for new experiences.



# When Will 10G be Available?



Lab trials for 10G are already underway, with field trials beginning in 2020.

# ...Under A Conducive Policy Climate

- **10G** is a leap forward for American broadband connectivity
  - Faster speed, lower latency, better security
- The cable industry will newly empower consumers and the digital economy via the 10G platform
- Requires a policy climate that fosters investment and innovation



## More Resources:

<https://www.10gplatform.com/>

- 10G Intro

<https://www.cablelabs.com/10g>

- 10G Tech Overview

<https://www.cablelabs.com/thenearfuture>

- Vision of 10G experiences

<https://www.cablelabs.com/gigabit-internet-speeds/>

- Cable broadband deep dive

