The Amount of Data and Bandwidth Requirements for Popular Internet Applications

KEY:

SPEED (Bandwidth)
MBPS = Megabits Per Second
DOWNLOAD = Download Speed
UPLOAD = Upload Speed

DATA
MB = Megabytes
GB = Gigabytes (1024 Mega Bytes)

EMAIL
1 - 35 GB/mo

100 Emails a Day
ESTIMATED PER USER
3000 EMAILS/mo
Data Use = LOW
Bandwidth Use = LOW

ATTACHMENTS
35 GB/mo

BASIC
NO ATTACHMENTS
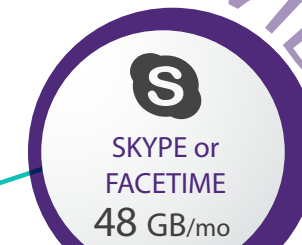1 GB/mo

2 MBPS DOWNLOAD
1 MBPS UPLOAD

VoIP
21 GB/mo

16 Hours a Day
ESTIMATED PER USER
480 Hours/mo
Data Use = LOW
Bandwidth Use = LOW

SKYPE or FACETIME
48 GB/mo

8 Hours a Day
ESTIMATED PER USER
240 Hours/mo
Data Use = MEDIUM-HIGH
Bandwidth Use = MEDIUM

VIDEO

.5 MBPS DOWNLOAD
.5 MBPS UPLOAD
MIN 1.5 MBPS DOWNLOAD
MIN 1.5 MBPS UPLOAD

MUSIC
30 GB/mo

8 Hours a Day
ESTIMATED PER USER
240 Hours/mo
Data Use = LOW
Bandwidth Use = LOW

SPOTIFY
GOOGLE PLAY
BEATS
PANDORA

.5 MBPS DOWNLOAD
.5 MBPS UPLOAD

WEB PAGE BROWSING
43 GB/mo

8 Hours a Day
ESTIMATED PER USER
14,400 web pages/mo
Data Use = MEDIUM
Bandwidth Use = MEDIUM

FACEBOOK & OTHER SOCIAL MEDIA
VIDEO

3 MBPS DOWNLOAD
1.5 MBPS UPLOAD

the INTERNET

Emails, VoIP, music, web browsing gaming and video. Your guide to data and speed requirements for a satisfying user experience.

VIDEO
120+ GB/mo

SD VIDEO **120 GB/mo**
2 MBPS DOWNLOAD
1.5 MBPS UPLOAD

720 HD VIDEO **180 GB/mo**
3 MBPS DOWNLOAD
1.5 MBPS UPLOAD

1080p HD VIDEO **360 GB/mo**
4 MBPS DOWNLOAD
1.5 MBPS UPLOAD

4K Video **1,080 GB/mo**
18 MBPS DOWNLOAD
3 MBPS UPLOAD

Video Surveillance **8 GB/mo**
12 MBPS DOWNLOAD
6 MBPS UPLOAD
For 1 Camera
3 Megapixels
Medium Video Quality
11 fps

1.5 MBPS UPLOAD
3 MBPS DOWNLOAD
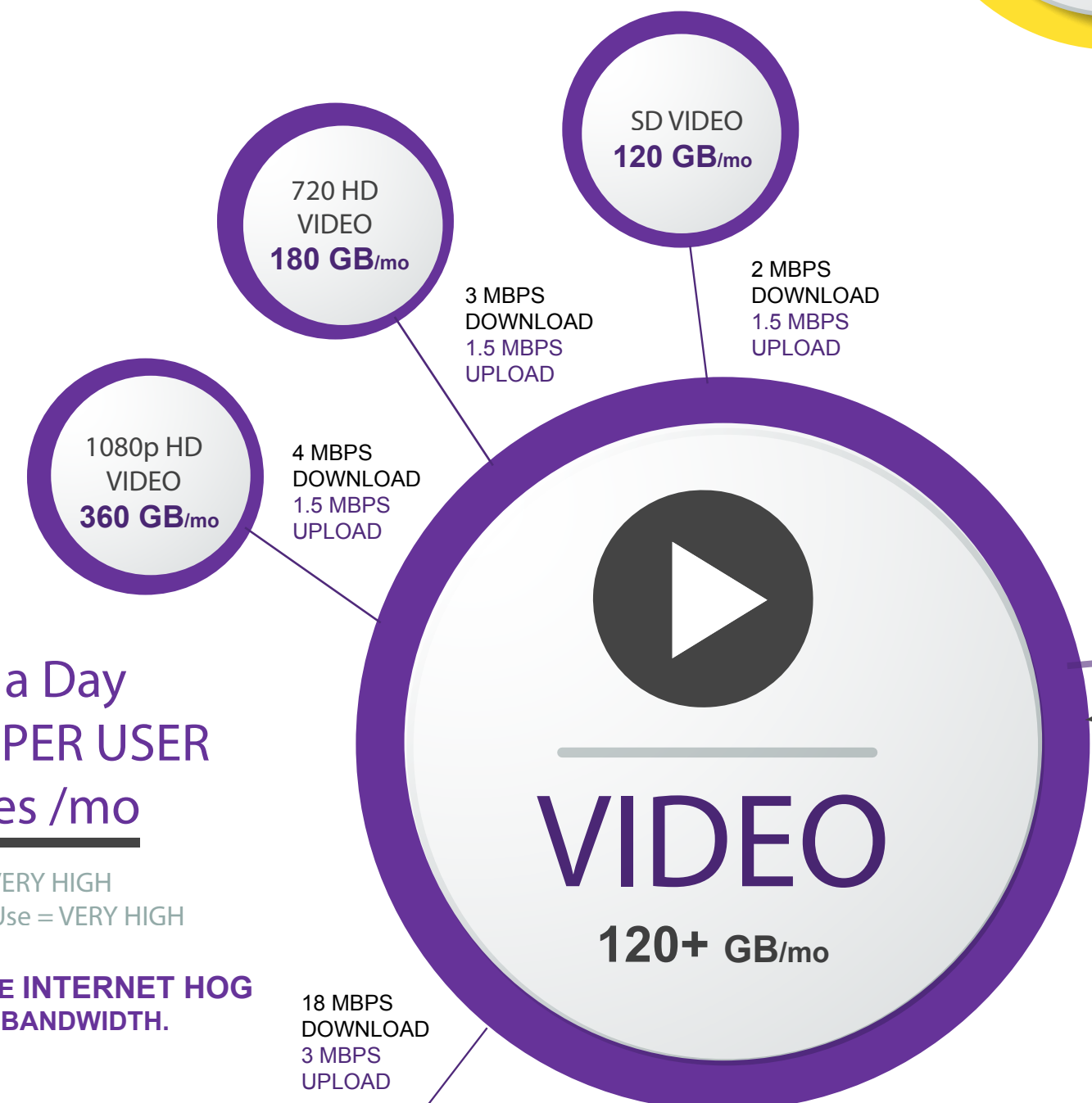
8 Hours a Day
ESTIMATED PER USER
120 Movies /mo
Data Use = VERY HIGH
Bandwidth Use = VERY HIGH

VIDEO IS THE INTERNET HOG OF DATA and BANDWIDTH.

GAMING
7 to 47 GB/mo

6 MBPS UPLOAD
12 MBPS DOWNLOAD

VIDEO
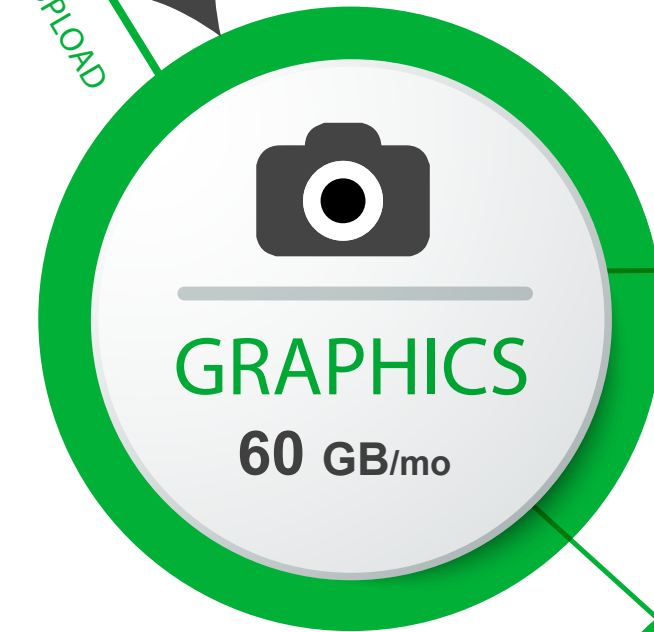TWITCH 190 GB

SINGLE PLAYER
3 Mbps UP

MULTI PLAYER
Add 3 Mbps UP per player

8 Hours a Day
ESTIMATED PER USER
Depends Upon the Game
Data Use = MEDIUM - HIGH
Bandwidth Use = HIGH

BANDWIDTH (THE UP & DOWN SPEED) IS IMPORTANT IN GAMING

GRAPHICS
60 GB/mo

9 MBPS DOWNLOAD
4.5 MBPS UPLOAD

PHOTOS

LARGE GRAPHIC FILES

100 Graphics or Photos 5x Week
ESTIMATED PER USER
2250 Graphics or Photos /mo
Data Use = MEDIUM - HIGH
Bandwidth Use = MEDIUM - HIGH